



(51) International Patent Classification:

C05G 3/00 (2006.01) C05G 3/08 (2006.01)
C05G 3/02 (2006.01) A01P 7/00 (2006.01)
C05G 3/04 (2006.01)

(21) International Application Number:

PCT/IB2018/054947

(22) International Filing Date:

05 July 2018 (05.07.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

17180503.9 10 July 2017 (10.07.2017) EP

(71) Applicant: BASF SE [DE/DE]; Carl-Bosch-Strasse 38,
67056 Ludwigshafen am Rhein (DE).

(71) Applicant (for KN only): BASF (CHINA) COMPANY
LIMITED [CN/CN]; 300 Jiangxinsha Road, Shanghai,
200137 (CN).

(72) Inventors: NAVE, Barbara; Speyerer Straße 2, 67117
Limburgerhof (DE). PASDA, Gregor; Speyerer Straße 2,
67117 Limburgerhof (DE). WISSEMEIER, Alexander;
Speyerer Straße 2, 67117 Limburgerhof (DE). STAAL,
Maarten; Speyerer Straße 2, 67117 Limburgerhof (DE).
SCHNEIDER, Karl-Heinrich; Speyerer Straße 2, 67117
Limburgerhof (DE). SCHMID, Markus; Speyerer Straße
2, 67117 Limburgerhof (DE). ZERULLA, Wolfram;
Speyerer Straße 2, 67117 Limburgerhof (DE). LOHE,
Daniella; Speyerer Straße 2, 67117 Limburgerhof (DE).
ZHU, Sascha Shuxia; Carl-Bosch-Strasse 38, 67056 Lud-
wigshafen (DE).

(74) Agent: BASF IP ASSOCIATION; BASF SE, G-FLP -
C006, 67056 Ludwigshafen (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,

SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

(54) Title: MIXTURES COMPRISING AN INSECTICIDE AND A NITRIFICATION INHIBITOR SUCH AS 2-(3,4-DIMETHYL-1H-PYRAZOL-1-YL)SUCCINIC ACID (DMPSA) OR 3,4-DIMETHYL PYRAZOLIUM GLYCOLATE (DMPG)

(57) Abstract: The present invention relates to pesticidal mixtures comprising as active components at least one specific nitrification inhibitor (compound I) and at least one insecticide (compound II); to a method for controlling insects, acarids or nematodes, or for improving the nitrification-inhibiting effect, or for increasing the health of a plant using mixtures of at least one compound I and at least one compound II; to the use of mixtures comprising compounds I and compounds II for controlling insects, acarids or nematodes or to increasing the health of a plant; to agrochemical compositions comprising these mixtures; and to plant propagation material, comprising these mixtures or these agrochemical compositions.



Mixtures comprising an insecticide and a nitrification inhibitor such as 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid (DMPSA) or 3,4-dimethyl pyrazolium glycolate (DMPG)

Description

- 5 The present invention relates to the mixture comprising nitrification inhibitors (compound I) and insecticides (compound II). Moreover, the invention relates to the use of this combination comprising nitrification inhibitors (compound I) and insecticides (compound II) for increasing the health of a plant, and/or for providing better crop yields and/or a better quality of the plants or crops, and/or for contributing to a better resistance to stress, and/or for reducing of the quantity of pesticides used, and/or for avoiding the development of resistances against the respective pesticides. Furthermore, the present invention relates to methods for increasing the health of a plant comprising the treatment of plants, soil and/or loci with said mixture comprising the nitrification inhibitor (compound I) and an insecticide (compound II).
- 10
- 15 Nitrogen is an essential element for plant growth, plant health and reproduction. About 25% of the plant available nitrogen in soils (ammonium and nitrate) originate from decomposition processes (mineralization) of organic nitrogen compounds such as humus, plant and animal residues and organic fertilizers. Approximately 5% derive from rainfall. On a global basis, the biggest part (70%), however, are supplied to the plant by inorganic nitrogen fertilizers. The
- 20 mainly used nitrogen fertilizers comprise ammonium compounds or derivatives thereof, i.e. nearly 90% of the nitrogen fertilizers applied worldwide is in the NH_4^+ form (Subbarao et al., 2012, Advances in Agronomy, 114, 249-302) or are based on neem-extract, including various compounds such as neemoil-coated fertilizers, neem-coated fertilizers, nimin-coated fertilizers and fertilizers with neem cake from the Indian neem tree (*Azadirachta indica*). This is, inter alia,
- 25 due to the fact that NH_4^+ assimilation is energetically more efficient than assimilation of other nitrogen sources such as NO_3^- .
- Moreover, being a cation, NH_4^+ is held electrostatically by the negatively charged clay surfaces and functional groups of soil organic matter. This binding is strong enough to limit NH_4^+ -loss by
- 30 leaching to groundwater. By contrast, NO_3^- , being negatively charged, does not bind to the soil and is liable to be leached out of the plants' root zone. In addition, nitrate may be lost by denitrification which is the microbiological conversion of nitrate and nitrite (NO_2^-) to gaseous forms of nitrogen such as nitrous oxide (N_2O) and molecular nitrogen (N_2).
- 35 However, ammonium (NH_4^+) compounds are converted by soil microorganisms to nitrates (NO_3^-) in a relatively short time in a process known as nitrification. The nitrification is carried out primarily by two groups of chemolithotrophic bacteria, ammonia-oxidizing bacteria (AOB) of the genus *Nitrosomonas* and *Nitrobacter*, which are ubiquitous component of soil bacteria populations. The enzyme, which is essentially responsible for nitrification is ammonia
- 40 monooxygenase (AMO), which was also found in ammonia-oxidizing archaea (Subbarao et al., 2012, Advances in Agronomy, 114, 249-302).

The nitrification process typically leads to nitrogen losses and environmental pollution. As a result of the various losses, approximately 50% of the applied nitrogen fertilizers is lost during the year following fertilizer addition (see Nelson and Huber; Nitrification inhibitors for corn production (2001), National Corn Handbook, Iowa State University).

As countermeasures, the use of nitrification inhibitors, mostly together with fertilizers, was suggested. Suitable nitrification inhibitors include biological nitrification inhibitors (BNIs) such as linoleic acid, alpha-linolenic acid, methyl p-coumarate, methyl ferulate, MHPP, Karanjin, brachialacton or the p-benzoquinone sorgoleone (Subbarao et al., 2012, Advances in Agronomy, 114, 249-302). Further suitable nitrification inhibitors are synthetic chemical inhibitors such as Nitrapyrin, dicyandiamide (DCD), 3,4-dimethyl pyrazole phosphate (DMPP), 4-amino-1,2,4-triazole hydrochloride (ATC), 1-amido-2-thiourea (ASU), 2-amino-4-chloro-6-methylpyrimidine (AM), 5-ethoxy-3-trichloromethyl-1,2,4-thiodiazole (terrazole), or 2-sulfanilamidothiazole (ST) (Slangen and Kerkhoff, 1984, Fertilizer research, 5(1), 1-76).

EP 0 917 526 further mentions the use of polyacids to treat mineral fertilizers containing a nitrification inhibitor in order to improve the fixation of the nitrification inhibitors in the inorganic fertilizer. Moreover, the volatility of the nitrification inhibitor can be reduced.

However, many of these inhibitors only work sub-optimal or have undesirable side effects.

In view of this situation there is a continuous need for compositions or mixtures that increase the health of plants. Healthier plants are desirable since they result among other in better crop yields and/or a better quality of the plants or crops. Healthier plants also better resist to biotic and abiotic stress. A better resistance to stress in turn allows reducing the quantity of pesticides, which also helps avoiding the development of resistances against the respective pesticides.

One object of the present invention is to provide a composition or mixture containing a nitrification inhibitor and/or an insecticide which increases the health of plants, and/or provides better crop yields and/or a better quality of the plants or crops, and/or shows a better resistance to stress, and/or allows the reduction of the quantity of pesticides used, and/or helps avoiding the development of resistances against the respective pesticides.

Another object of the present invention is to provide a composition or mixture containing the nitrification inhibitor (compound I) and/or an insecticide (compound II) which – each preferably through a synergistic action –

- (i) enhances the stability of compound I, and/or
- (ii) enhances the nitrification-inhibiting effect of compound I, and/or
- (iii) enhances the yield increase effect of the compound I, and/or
- (iv) has a relatively long storage life, particularly before being applied to or coated on nitrogen-containing fertilizers, and/or

- (v) reduces the emission of nitrous oxide from soils, and/or
 - (vi) reduces the ammonia emission from soils, and/or
 - (vii) reduces nitrate leaching, and/or
 - (viii) does not adversely affect the nitrification-inhibiting effect and/or the nitrification-inhibiting activity of the compound I, and/or
 - (ix) can be easily and safely packaged, transported and shipped, even in large quantities, and/or
 - (x) can be easily and safely handled and applied for soil treatment, even in large quantities, and/or
 - (xi) improves the nutrient use efficiency, and/or
 - (xii) improves the delivery of the insecticide (compound II) to the plant, and/or
 - (xiii) improves the plant growth (e.g. biomass, yield, root branching and length; compact growth in case of ornamental plants), and/or
 - (xiv) enables a better developed root system, a larger leaf area, greener leaves, stronger shoots and/or
 - (xv) improves the plant defense of the plants, and/or
 - (xvi) improves the plant health of the plants, and/or
 - (xvii) improves the quality of the plants, and/or
 - (xviii) improves the storage or survivability of the insecticide (compound II) and/or prolongs the availability of insecticides (compound II) to the plants, and/or
 - (xix) enhances the insecticidal effect of the insecticide (compound II), and/or
 - (xx) allows the reduction of the quantity of insecticides (compound II) used, and/or
 - (xxi) increase the survivability rate of seedlings, for example transplanted seedlings, and/or
 - (xxii) reduce or avoid unfavorable environmental or toxicological effects whilst still allowing effective pest control, and/or
 - (xxiii) enable earlier seed germination and/or blooming, and/or
 - (xxiv) is toxicologically unobjectionable, and/or
 - (xxv) enables simple handling and application of compound I and compound II.
- The objects (xiii), (xiv), (xv), (xvi), (xvii) and (xxi) particularly pertains to such plants or seedlings wherein such plants or seedlings were treated with the mixture or composition, or the soil in which the such plants or seedlings were placed was subject to the application of the mixture or composition of the present invention.
- The preferred objects of the present invention are (i), (ii), (v), (vi), (vii), (xi), (xii), (xiii), (xiv), (xv), (xvi), (xvii), (xviii), (xix), (xx), (xxii), (xxiv), (xxv), the more preferred objects of the present invention are (i), (ii), (v), (vi), (vii), (xii), (xiii), (xv), (xvi), (xix), (xx), and/or (xxii), the most preferred objects of the present invention are (i), (ii), (v), (vii), (xvi), (xix), and/or (xxii), the particularly preferred objects of the present invention are (ii), (v), (vii), (xvi) and/or (xix).
- The term "in a synergistic way" means that the composition or mixture comprising the nitrification inhibitor (compound I) and the insecticide (compound II) can fulfil one or more of the objects (i) to (xxiv) significantly better than the individual compounds – i.e. compound I or

compound II – alone can do, and preferably, this better fulfilment of the objects by said composition or mixture compared to the individual compounds is evidenced by calculations according to Colby's formula, see Colby, S. R. (Calculating synergistic and antagonistic responses of herbicide Combinations", Weeds, 15, pp. 20-22, 1967).

5 The present invention relates to a mixture comprising as active components

- 1) at least one active compound I (nitrification inhibitor) selected from the group consisting of:
 - 10 a) 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid (referred to as "DMPSA1" in the following) and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid (referred to as "DMPSA2" in the following), and/or a derivative thereof, and/or a salt thereof,
 - b) glycolic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium glycolate, referred to as "DMPG" in the following), and/or an isomer thereof, and/or a derivative thereof,
 - 15 c) citric acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium citrate, referred to as "DMPC" in the following), and/or an isomer thereof, and/or a derivative thereof,
 - d) lactic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium lactate, referred to as "DMPL" in the following), and/or an isomer thereof, and/or a derivative thereof,
 - 20 e) mandelic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium mandelate, referred to as "DMPM" in the following), and/or an isomer thereof, and/or a derivative thereof,
 - f) 1,2,4-triazole (referred to as „TZ“ in the following), and/or a derivative thereof, and/or a salt thereof,
 - 25 g) 4-Chloro-3-methylpyrazole (referred to as „CIMP“ in the following), and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
 - h) N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
 - i) N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
 - 30 j) N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,

- k) N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- l) a reaction adduct of dicyandiamide, urea and formaldehyde, or a triazonyl-formaldehyde-dicyandiamide adduct,
- 5 m) 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine,
- n) 1-((2-cyanoguanidino)methyl)urea,
- o) 2-cyano-1-((2-cyanoguanidino)methyl)guanidine,
- p) 2-chloro-6-(trichloromethyl)-pyridine (nitrapyrin or N-serve),
- q) dicyandiamide (DCD, DIDIN),
- 10 r) 3,4-dimethyl pyrazole phosphate, and/or 3,5-dimethyl pyrazole phosphate (DMPP, ENTEC), and/or a derivative thereof,
- s) 3,4-dimethylpyrazole, and/or 3,5-dimethylpyrazole (DMP), and/or a derivative thereof, and/or a salt thereof,
- t) ammoniumthiosulfate (ATU),
- 15 u) neem, and/or products based on ingredients of neem,
- v) linoleic acid,
- w) alpha-linolenic acid,
- x) methyl p-coumarate,
- y) methyl ferulate,
- 20 z) methyl 3-(4-hydroxyphenyl) propionate (MHPP),
- aa) Karanjin,
- bb) brachialacton,
- cc) p-benzoquinone sorgoleone,
- dd) 4-amino-1,2,4-triazole hydrochloride (ATC),
- 25 ee) 1-amido-2-thiourea (ASU),

- ff) 2-amino-4-chloro-6-methylpyrimidine (AM),
 - gg) 2-mercapto-benzothiazole (MBT),
 - hh) 5-ethoxy-3-trichloromethyl-1,2,4-thiodiazole (terrazole, etridiazole),
 - ii) 2-sulfanilamidothiazole (ST),
 - 5 jj) 3-methylpyrazol (3-MP),
 - kk) 1,2,4-triazol thiourea (TU),
 - ll) cyan amide,
 - mm) melamine,
 - nn) zeolite powder,
 - 10 oo) catechol,
 - pp) benzoquinone,
 - qq) sodium tetra borate,
 - rr) allylthiourea,
 - ss) chlorate salts, and
 - 15 tt) zinc sulfate;
- and

2) at least one active compound II (insecticide) selected from the groups O.1 to O.29:

O) Insecticides from classes O.1 to O.29

- 20 O.1 Acetylcholine esterase (AChE) inhibitors: aldicarb (O.1.1), alanycarb (O.1.2), bendiocarb (O.1.3), benfuracarb (O.1.4), butocarboxim (O.1.5), butoxycarboxim (O.1.6), carbaryl (O.1.7), carbofuran (O.1.8), carbosulfan (O.1.9), ethiofencarb (O.1.10), fenobucarb (O.1.11), formetanate (O.1.12), furathiocarb (O.1.13), isoprocarb (O.1.14), methiocarb (O.1.15), methomyl (O.1.16), metolcarb (O.1.17), oxamyl (O.1.18), pirimicarb (O.1.19), propoxur
- 25 (O.1.20), thiodicarb (O.1.21), thiofanox (O.1.22), trimethacarb (O.1.23), XMC (O.1.24), xylylcarb (O.1.25) and triazamate (O.1.26); acephate (O.1.27), azamethiphos (O.1.28), azinphos-ethyl (O.1.29), azinphosmethyl (O.1.30), cadusafos (O.1.31), chlorethoxyfos (O.1.32), chlorfenvinphos (O.1.33), chlormephos (O.1.34), chlorpyrifos (O.1.35), chlorpyrifos-

- methyl (O.1.36), coumaphos (O.1.37), cyanophos (O.1.38), demeton-S-methyl (O.1.39), diazinon (O.1.40), dichlorvos/ DDVP (O.1.41), dicrotophos (O.1.42), dimethoate (O.1.43), dimethylvinphos (O.1.44), disulfoton (O.1.45), EPN (O.1.46), ethion (O.1.47), ethoprophos (O.1.48), famphur (O.1.49), fenamiphos (O.1.50), fenitrothion (O.1.51), fenthion (O.1.52),
 5 fosthiazate (O.1.53), heptenophos (O.1.54), imicyafos (O.1.55), isofenphos (O.1.56), isopropyl O-(methoxyaminothio-phosphoryl) salicylate (O.1.57), isoxathion (O.1.58), malathion (O.1.59), mecarbam (O.1.60), methamidophos (O.1.61), methidathion (O.1.62), mevinphos (O.1.63), monocrotophos (O.1.64), naled (O.1.65), omethoate (O.1.66), oxydemeton-methyl (O.1.67), parathion (O.1.68), parathion-methyl (O.1.69), phenthoate (O.1.70), phorate (O.1.71), phosalone (O.1.72), phosmet (O.1.73), phosphamidon (O.1.74), phoxim (O.1.75), pirimiphos- methyl (O.1.76), profenofos (O.1.77), propetamphos (O.1.78), prothiofos (O.1.79), pyraclofos (O.1.80), pyridaphenthion (O.1.81), quinalphos (O.1.82), sulfotep (O.1.83), tebufos (O.1.84), temephos (O.1.85), terbufos (O.1.86), tetrachlorvinphos (O.1.87), thiometon (O.1.88), triazophos (O.1.89), trichlorfon (O.1.90), vamidothion (O.1.91);
 15 O.2 GABA-gated chloride channel antagonists: endosulfan (O.2.1), chlordane (O.2.2); ethiprole (O.2.3), fipronil (O.2.4), flupirole (O.2.5), pyrafluprole (O.2.6), pyriprole (O.2.7);
 O.3 Sodium channel modulators: acrinathrin (O.3.1), allethrin (O.3.2), d-cis-trans allethrin (O.3.3), d-trans allethrin (O.3.4), bifenthrin (O.3.5), bioallethrin (O.3.6), bioallethrin S-cyclopentenyl (O.3.7), bioresmethrin (O.3.8), cycloprothrin (O.3.9), cyfluthrin (O.3.10), beta-cyfluthrin (O.3.11), cyhalothrin (O.3.12), lambda-cyhalothrin (O.3.13), gamma-cyhalothrin (O.3.14), cypermethrin (O.3.15), alpha-cypermethrin (O.3.16), beta-cypermethrin (O.3.17), theta-cypermethrin (O.3.18), zeta-cypermethrin (O.3.19), cyphenothrin (O.3.20), deltamethrin (O.3.21), empenthrin (O.3.22), esfenvalerate (O.3.23), etofenprox (O.3.24), fenpropathrin (O.3.25), fenvalerate (O.3.26), flucythrinate (O.3.27), flumethrin (O.3.28), tau-fluvalinate (O.3.29), halfenprox (O.3.30), heptafluthrin (O.3.31), imiprothrin (O.3.32), meperfluthrin (O.3.33), metofluthrin (O.3.34), momfluorothrin (O.3.35), permethrin (O.3.36), phenothrin (O.3.37), prallethrin (O.3.38), profluthrin (O.3.39), pyrethrin (pyrethrum) (O.3.40), resmethrin (O.3.41), silafluofen (O.3.42), tefluthrin (O.3.43), tetramethylfluthrin (O.3.44), tetramethrin (O.3.45), tralomethrin (O.3.46) and transfluthrin (O.3.47); DDT (O.3.48), methoxychlor (O.3.49);
 30 O.4 Nicotinic acetylcholine receptor agonists (nAChR): acetamiprid (O.4.1), clothianidin (O.4.2), cycloxaprid (O.4.3), dinotefuran (O.4.4), imidacloprid (O.4.5), nitenpyram (O.4.6), thiacloprid (O.4.7), thiamethoxam (O.4.8); (2E)-1-[(6-chloropyridin-3-yl)methyl]-N'-nitro-2-pentylidenehydrazinecarboximidamide (O.4.9); 1-[(6-chloropyridin-3-yl)methyl]-7-methyl-8-nitro-5-propoxy-1,2,3,5,6,7-hexahydroimidazo[1,2-a]pyridine (O.4.10); nicotine (O.4.11); 4,5-Dihydro-N-nitro-1-(2-oxiranylmethyl)-1H-imidazol-2-amine (O.4.12); sulfoxaflo (O.4.13); flupyradifurone (O.4.14); triflumezopyrim (O.4.15);
 35 O.5 Nicotinic acetylcholine receptor allosteric activators: spinosad (O.5.1), spinetoram (O.5.2);

O.6 Chloride channel activators: abamectin (O.6.1), emamectin benzoate (O.6.2), ivermectin (O.6.3), lepipmectin (O.6.4), milbemectin (O.6.5);

O.7 Juvenile hormone mimics: hydroprene (O.7.1), kinoprene (O.7.2), methoprene (O.7.3); fenoxycarb (O.7.4), pyriproxyfen (O.7.5);

5 O.8 miscellaneous non-specific (multi-site) inhibitors: methyl bromide (O.8.1) and other alkyl halides; chloropicrin (O.8.2), sulfuryl fluoride (O.8.3), borax (O.8.4), tartar emetic (O.8.5);

O.9 Chordotonal organ TRPV channel modulators: pymetrozine (O.9.1); pyrifluquinazon (O.9.2);

10 O.10 Mite growth inhibitors: clofentezine (O.10.1), hexythiazox (O.10.2), diflovidazin (O.10.3); etoxazole (O.10.4);

O.11 Microbial disruptors of insect midgut membranes: the Bt crop proteins: Cry1Ab, Cry1Ac, Cry1Fa, Cry2Ab, mCry3A, Cry3Ab, Cry3Bb, Cry34/35Ab1;

O.12 Inhibitors of mitochondrial ATP synthase: diafenthiuron (O.12.1); azocyclotin (O.12.2), cyhexatin (O.12.3), fenbutatin oxide (O.12.4), propargite (O.12.5), tetradifon (O.12.6);

15 O.13 Uncouplers of oxidative phosphorylation via disruption of the proton gradient: chlorfenapyr (O.13.1), DNOC (O.13.2), sulfluramid (O.13.3);

O.14 Nicotinic acetylcholine receptor (nAChR) channel blockers: bensultap (O.14.1), cartap hydrochloride (O.14.2), thiocyclam (O.14.3), thiosultap sodium (O.14.4);

20 O.15 Inhibitors of the chitin biosynthesis type 0: bistrifluron (O.15.1), chlorfluazuron (O.15.2), diflubenzuron (O.15.3), flucycloxuron (O.15.4), flufenoxuron (O.15.5), hexaflumuron (O.15.6), lufenuron (O.15.7), novaluron (O.15.8), noviflumuron (O.15.9), teflubenzuron (O.15.10), triflumuron (O.15.11);

O.16 Inhibitors of the chitin biosynthesis type 1: buprofezin (O.16.1);

O.17 Moulting disruptors: cyromazine (O.17.1);

25 O.18 Ecdyson receptor agonists: methoxyfenozide (O.18.1), tebufenozide (O.18.2), halofenozide (O.18.3), fufenozide (O.18.4), chromafenozide (O.18.5);

O.19 Octopamin receptor agonists: amitraz (O.19.1);

O.20 Mitochondrial complex III electron transport inhibitors: hydramethylnon (O.20.1), acequinocyl (O.20.2), fluacrypyrim (O.20.3); bifenazate (O.20.4);

30 O.21 Mitochondrial complex I electron transport inhibitors: fenazaquin (O.21.1), fenpyroximate (O.21.2), pyrimidifen (O.21.3), pyridaben (O.21.4), tebufenpyrad (O.21.5), tolfenpyrad (O.21.6); rotenone (O.21.7);

O.22 Voltage-dependent sodium channel blockers: indoxacarb (O.22.1), metaflumizone (O.22.2), 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-

35 (difluoromethoxy)phenyl]-hydrazinecarboxamide (O.22.3), N-(3-chloro-2-methylphenyl)-2-[(4-

chlorophenyl)-[4-[methyl(methylsulfonyl)amino]phenyl]methylene]-hydrazinecarboxamide (O.22.4);

O.23 Inhibitors of the of acetyl CoA carboxylase: spirodiclofen (O.23.1), spiromesifen (O.23.2), spirotetramat (O.23.3); spiropidion (O.23.4);

5 O.24 Mitochondrial complex IV electron transport inhibitors: aluminium phosphide (O.24.1), calcium phosphide (O.24.2), phosphine (O.24.3), zinc phosphide (O.24.4), cyanide (O.24.5);

O.25 Mitochondrial complex II electron transport inhibitors: cyenopyrafen (O.25.1), cyflumetofen (O.25.2);

O.26 Ryanodine receptor-modulators: flubendiamide (O.26.1), chlorantraniliprole (O.26.2),
 10 cyantraniliprole (O.26.3), cyclaniliprole (O.26.4), tetraniliprole (O.26.5); (R)-3-chloro-N1-{2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl}-N2-(1-methyl-2-methylsulfonyl)ethyl]phthalamide (O.26.6), (S)-3-chloro-N1-{2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl}-N2-(1-methyl-2-methylsulfonyl)ethyl]phthalamide (O.26.7),
 15 methyl-2-[3,5-dibromo-2-({[3-bromo-1-(3-chloropyridin-2-yl)-1H-pyrazol-5-yl]carbonyl}-amino)benzoyl]-1,2-dimethylhydrazinecarboxylate (O.26.8); N-[4,6-dichloro-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.9); N-[4-chloro-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-6-methyl-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.10); N-[4-chloro-2-[(di-2-propyl-lambda-4-sulfanylidene)carbamoyl]-6-methyl-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.11); N-[4,6-dichloro-2-[(di-2-propyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.12); N-[4,6-dibromo-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.13); N-[2-(5-amino-1,3,4-thiadiazol-2-yl)-4-chloro-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (O.26.14); 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2,4-dichloro-6-[[[1-cyano-1-methylethyl]amino]carbonyl]phenyl]-1H-pyrazole-5-carboxamide (O.26.15); 3-bromo-N-[2,4-dichloro-6-(methylcarbamoyl)phenyl]-1-(3,5-dichloro-2-pyridyl)-1H-pyrazole-5-carboxamide (O.26.16); N-[4-chloro-2-[[[1,1-dimethylethyl]amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(fluoromethoxy)-1H-pyrazole-5-carboxamide (O.26.17); cyhalodiamide (O.26.18);

O.27. insecticidal active compounds of unknown or uncertain mode of action: afidopyropen (O.27.1), afoxolaner (O.27.2), azadirachtin (O.27.3), amidoflumet (O.27.4), benzoximate (O.27.5), broflanilide (O.27.6), bromopropylate (O.27.7), chinomethionat (O.27.8), cryolite (O.27.9), dicloromezotiaz (O.27.10), dicofol (O.27.11), flufenerim (O.27.12), flometoquin (O.27.13), fluensulfone (O.27.14), fluhexafon (O.27.15), fluopyram (O.27.16), fluralaner (O.27.17), metoxadiazon (O.27.18), piperonyl butoxide (O.27.19), pyflubumide (O.27.20), pyridalyl (O.27.21), tioxazafen (O.27.22), 11-(4-chloro-2,6-dimethylphenyl)-12-hydroxy-1,4-dioxo-9-azadispiro[4.2.4.2]-tetradec-11-en-10-one (O.27.23), 3-(4'-fluoro-2,4-dimethylbiphenyl-3-yl)-4-hydroxy-8-oxa-1-azaspiro[4.5]dec-3-en-2-one (O.27.24), 1-[2-fluoro-4-methyl-5-[(2,2,2-trifluoroethyl)sulfinyl]phenyl]-3-(trifluoromethyl)-1H-1,2,4-triazole-5-amine (O.27.25), or actives

on basis of *bacillus firmus* (Votivo, I-1582) (O.27.26); flupyrimin (O.27.27); fluazaindolizine (O.27.42); 4-[5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-2-methyl-N-(1-oxothietan-3-yl)benzamide (O.27.43); fluxametamide (O.27.44); 5-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy]-1H-pyrazole (O.27.45); 3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]-6-(trifluoromethyl)phenyl]-2-fluoro-benzamide (O.27.46); 3-(benzoylmethylamino)-2-fluoro-N-[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]-benzamide (O.27.47); N-[3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.48); N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]-2-fluorophenyl]-4-fluoro-N-methyl-benzamide (O.27.49); 4-fluoro-N-[2-fluoro-3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.50); 3-fluoro-N-[2-fluoro-3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.51); 2-chloro-N-[3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-3-pyridinecarboxamide (O.27.52); 4-cyano-N-[2-cyano-5-[[2,6-dibromo-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.53); 4-cyano-3-[(4-cyano-2-methyl-benzoyl)amino]-N-[2,6-dichloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]-2-fluoro-benzamide (O.27.54); N-[5-[[2-chloro-6-cyano-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.55); N-[5-[[2-bromo-6-chloro-4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.56); N-[5-[[2-bromo-6-chloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.57); 4-cyano-N-[2-cyano-5-[[2,6-dichloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.58); 4-cyano-N-[2-cyano-5-[[2,6-dichloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.59); N-[5-[[2-bromo-6-chloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.60); 2-(1,3-dioxan-2-yl)-6-[2-(3-pyridinyl)-5-thiazolyl]-pyridine; 2-[6-[2-(5-fluoro-3-pyridinyl)-5-thiazolyl]-2-pyridinyl]-pyrimidine (O.27.61); 2-[6-[2-(3-pyridinyl)-5-thiazolyl]-2-pyridinyl]-pyrimidine (O.27.62); N-methylsulfonyl-6-[2-(3-pyridyl)thiazol-5-yl]pyridine-2-carboxamide (O.27.63); N-methylsulfonyl-6-[2-(3-pyridyl)thiazol-5-yl]pyridine-2-carboxamide (O.27.64); N-ethyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.65); N-methyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.66); N,2-dimethyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.67); N-ethyl-2-methyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.68); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-ethyl-2-methyl-3-methylthio-propanamide (O.27.69.); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N,2-dimethyl-3-methylthio-propanamide (O.27.70); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-methyl-3-methylthio-propanamide (O.27.71); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-ethyl-3-methylthio-propanamide (O.27.72); 1-[(6-chloro-3-pyridinyl)methyl]-1,2,3,5,6,7-hexahydro-5-methoxy-7-methyl-8-nitro-imidazo[1,2-a]pyridine (O.27.73); 1-[(6-chloropyridin-3-yl)methyl]-7-methyl-8-nitro-1,2,3,5,6,7-hexahydroimidazo[1,2-

a]pyridin-5-ol (O.27.74); 1-isopropyl-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.75); 1-(1,2-dimethylpropyl)-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.76); N,5-dimethyl-N-pyridazin-4-yl-1-(2,2,2-trifluoro-1-methyl-ethyl)pyrazole-4-carboxamide (O.27.77); 1-[1-(1-cyanocyclopropyl)ethyl]-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.78); N-ethyl-1-(2-fluoro-1-methyl-propyl)-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.79); 1-(1,2-dimethylpropyl)-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.80); 1-[1-(1-cyanocyclopropyl)ethyl]-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.81); N-methyl-1-(2-fluoro-1-methyl-propyl)-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.82); 1-(4,4-difluorocyclohexyl)-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.83); 1-(4,4-difluorocyclohexyl)-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.84), N-(1-methylethyl)-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.85); N-cyclopropyl-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.86); N-cyclohexyl-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.87); 2-(3-pyridinyl)-N-(2,2,2-trifluoroethyl)-2H-indazole-4-carboxamide (O.27.88); 2-(3-pyridinyl)-N-[(tetrahydro-2-furanyl)methyl]-2H-indazole-5-carboxamide (O.27.89); methyl 2-[[2-(3-pyridinyl)-2H-indazol-5-yl]carbonyl]hydrazinecarboxylate (O.27.90); N-[(2,2-difluorocyclopropyl)methyl]-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.91); N-(2,2-difluoropropyl)-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.92); 2-(3-pyridinyl)-N-(2-pyrimidinylmethyl)-2H-indazole-5-carboxamide (O.27.93); N-[(5-methyl-2-pyrazinyl)methyl]-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.94), N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-N-ethyl-3-(3,3,3-trifluoropropylsulfanyl)-propanamide (O.27.95); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-N-ethyl-3-(3,3,3-trifluoropropylsulfinyl)propanamide (O.27.96); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-3-[(2,2-difluorocyclopropyl)methylsulfanyl]-N-ethyl-propanamide (O.27.97); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-3-[(2,2-difluorocyclopropyl)methylsulfinyl]-N-ethyl-propanamide (O.27.98); sarolaner (O.27.99); lotilaner (O.27.28); N-[4-Chloro-3-[[[(phenylmethyl)amino]carbonyl]phenyl]-1-methyl-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-1H-pyrazole-5-carboxamide (O.27.29); 2-(3-ethylsulfonyl-2-pyridyl)-3-methyl-6-(trifluoromethyl)imidazo[4,5-b]pyridine (O.27.30); 2-[3-ethylsulfonyl-5-(trifluoromethyl)-2-pyridyl]-3-methyl-6-(trifluoromethyl)imidazo[4,5-b]pyridine (O.27.31); 4-[5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-N-[(4R)-2-ethyl-3-oxo-isoxazolidin-4-yl]-2-methyl-benzamide (O.27.32); 4-[5-(3,5-dichloro-4-fluoro-phenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-N-[(4R)-2-ethyl-3-oxo-isoxazolidin-4-yl]-2-methyl-benzamide (O.27.33); N-[4-chloro-3-(cyclopropylcarbonyl)phenyl]-2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazole-3-carboxamide (O.27.34); N-[4-chloro-3-[(1-cyanocyclopropyl)carbonyl]phenyl]-2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazole-3-carboxamide (O.27.35); acynonapyr (O.27.36); benzpyrimoxan (O.27.37); 2-chloro-N-(1-cyanocyclopropyl)-5-[1-[2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazol-3-yl]pyrazol-4-yl]benzamide (O.27.38);

O.29 Chordotonal organ Modulators – undefined target site: flonicamid (O.29.1);

The above mixture of the present invention also includes **kit-of-parts** comprising a nitrification inhibitor (compound I) and an insecticide (compound II). Here, the term “kit-of-parts” is to be

understood to denote a kit comprising at least two separate parts wherein each of the parts can be independently removed from the kit. A kit includes a box, a tool, a vessel, a container, a bag or any kit-like equipment. Also a kit whose separate parts are only together in this one kit for a extremely short period of time are regarded as kit-of-parts. Kit-of-parts are useful for the combined application (of the contents) of the separate parts of the kit.

The present invention also relates to an agrochemical composition, comprising an auxiliary and a mixture comprising as active components at least one compound I and at least one compound II.

The present invention also relates to the use of a mixture or an agrochemical composition according to the invention for nitrification inhibition and/or for increasing the health of a plant and/or for plant growth regulation.

The present invention also relates to a method for controlling insects, acarids or nematodes comprising contacting an insect, acarid or nematode or their food supply, habitat, breeding grounds or their locus with an effective amount of a mixture or of an agrochemical composition according to the invention.

The present invention also relates to a method for controlling phytopathogenic harmful insects, comprising treating the insects, their habitat or the seed, the soil or the plants to be protected against insect attack with an effective amount of a mixture or of an agrochemical composition according to the invention.

The present invention also relates to a method for increasing the health of a plant, comprising treating the plant or the plant propagation material or the soil where the plants are to grow with an effective amount of the mixture or of an agrochemical composition according to the invention.

The present invention also relates to plant propagation material, comprising a mixture or an agrochemical composition according to the invention in an amount of from 0.1 to 10 kg active substances per 100 kg of seed.

A "pesticide" is generally a chemical or biological agent (such as a virus, bacterium, antimicrobial or disinfectant) that through its effect deters, incapacitates, kills or otherwise discourages pests. Target pests can include insects, plant pathogens, weeds, mollusks, birds, mammals, fish, nematodes (roundworms), and microbes that destroy property, cause nuisance, spread disease or are vectors for disease. The term "pesticide" includes also plant growth regulators that alter the expected growth, flowering, or reproduction rate of plants; defoliants that cause leaves or other foliage to drop from a plant, usually to facilitate harvest; desiccants that promote drying of living tissues, such as unwanted plant tops; plant activators that activate plant physiology for defense of against certain pests; safeners that reduce unwanted herbicidal action of pesticides on crop plants; and plant growth promoters that affect plant physiology e.g. to increase plant growth, biomass, yield or any other quality parameter of the harvestable goods of a crop plant.

The term "plant health" or "health of a plant" as used herein is intended to mean a condition of the plant which is determined by several aspects alone or in combination with each other. One indicator (indicator 1) for the condition of the plant is the crop yield. "Crop" and "fruit" are to be understood as any plant product which is further utilized after harvesting, e.g. fruits in the proper sense, vegetables, nuts, grains, seeds, wood (e.g. in the case of silviculture plants), flowers (e.g. in the case of gardening plants, ornamentals) etc., that is anything of economic value that is produced by the plant. Another indicator (indicator 2) for the condition of the plant is the plant vigor. The plant vigor becomes manifest in several aspects, too, some of which are visual appearance, e.g. leaf color, fruit color and aspect, amount of dead basal leaves and/or extent of leaf blades, plant weight, plant height, extent of plant verse (lodging), number, strong ness and productivity of tillers, panicles' length, extent of root system, strongness of roots, extent of nodulation, in particular of rhizobial nodulation, point of time of germination, emergence, flowering, grain maturity and/or senescence, protein content, sugar content and the like. Another indicator (indicator 3) for an increase of a plant's health is the reduction of biotic or abiotic stress factors. The three above mentioned indicators for the health condition of a plant may be interdependent and may result from each other. For example, a reduction of biotic or abiotic stress may lead to a better plant vigor, e.g. to better and bigger crops, and thus to an increased yield. Biotic stress, especially over longer terms, can have harmful effects on plants. The term "biotic stress" as used in the context of the present invention refers in particular to stress caused by living organisms. As a result, the quantity and the quality of the stressed plants, their crops and fruits decrease. As far as quality is concerned, reproductive development is usually severely affected with consequences on the crops which are important for fruits or seeds. Growth may be slowed by the stresses; polysaccharide synthesis, both structural and storage, may be reduced or modified: these effects may lead to a decrease in biomass and to changes in the nutritional value of the product. Abiotic stress includes drought, cold, increased UV, increased heat, or other changes in the environment of the plant, that leads to sub-optimal growth conditions. The term "increased yield" of a plant as used herein means that the yield of a product of the respective plant is increased by a measurable amount over the yield of the same product of the plant produced under the same conditions, but without the application of the composition of the invention. According to the present invention, it is preferred that the yield is increased by at least 2%, more preferably by at least 4%, most preferably at least 7 %, particularly preferably at least 10 %, more particularly preferably by at least 15%, most particularly preferably by at least 20%, particularly more preferably by at least 25%, particularly most preferably by at least 30%, particularly by at least 35%, especially more preferably by at least 40%, especially most preferably by at least 45%, especially by at least 50%, in particular preferably by at least 55%, in particular more preferably by at least 60%, in particular most preferably by at least 65%, in particular by at least 70%, for example by at least 75%. According to the present invention, it is preferred that the yield is increased – compared to the situation in which only the individual compound I or the individual compound II is used – by at least 1%, more preferably by at least 2%, most preferably at least 3 %, particularly preferably at least 4 %, more particularly preferably by at least 5%, most particularly preferably by at least 6%,

particularly more preferably by at least 7%, particularly most preferably by at least 8%, particularly by at least 10%, especially more preferably by at least 12%, especially most preferably by at least 14%, especially by at least 16%, in particular preferably by at least 18%.

An increased yield may, for example, be due to a reduction of nitrification and a corresponding

5 improvement of uptake of nitrogen nutrients. The term "improved plant vigor" as used herein means that certain crop characteristics are increased or improved by a measurable or noticeable amount over the same factor of the plant produced under the same conditions, but without the application of the composition of the present invention. Improved plant vigor can be characterized, among others, by following improved properties of a plant:

- 10 (a) improved vitality of the plant,
(b) improved quality of the plant and/or of the plant products, e.g.
(b) enhanced protein content,
(c) improved visual appearance,
(d) delay of senescence,
15 (e) enhanced root growth and/or more developed root system (e.g. determined by the dry mass of the root),
(f) enhanced nodulation, in particular rhizobial nodulation,
(g) longer panicles,
(h) bigger leaf blade,
20 (i) less dead basal leaves,
(j) increased chlorophyll content
(k) prolonged photosynthetically active period
(l) improved nitrogen-supply within the plant
(m) improved water use efficiency

25 The improvement of the plant vigor according to the present invention particularly means that the improvement of anyone or several or all of the above mentioned plant characteristics are improved. It further means that if not all of the above characteristics are improved, those which are not improved are not worsened as compared to plants which were not treated according to the invention or are at least not worsened to such an extent that the negative effect exceeds the
30 positive effect of the improved characteristic (i.e. there is always an overall positive effect which preferably results in an improved crop yield). An improved plant vigor may, for example, be due to a reduction of nitrification and, e.g. a regulation of plant growth.

Practical agricultural experience has shown that the repeated and exclusive application of an individual active component in the control of harmful fungi, insects or other pests leads in many
35 cases to a rapid selection of those fungus strains or pest isolates which have developed natural or adapted resistance against the active component in question. Effective control of these fungi, insects or other pests with the active component in question is then no longer possible.

Another typical problem arising in the field of pest control lies in the need to reduce the dosage rates of the active ingredient to reduce or avoid unfavorable environmental or toxicological
40 effects whilst still allowing effective pest control.

It is an object of the present invention to overcome the abovementioned disadvantages and to provide, with a view to effective resistance management and effective control of phytopathogenic harmful fungi, insects or other pests or to effective plant growth regulation, at application rates which are as low as possible, compositions which, at a reduced total amount of active compounds applied, have improved activity against the harmful fungi, insects or other pests or improved plant growth regulating activity (synergistic mixtures) and a broadened activity spectrum, in particular for certain indications.

This is particularly visible if application rates for the beforementioned mixtures of pesticides are used where the individual components show no or virtually no activity. The invention can also result in an advantageous behavior during formulation or during use, for example during grinding, sieving, emulsifying, dissolving or dispensing; improved storage stability and light stability, advantageous residue formation, improved toxicological or ecotoxicological behaviour, improved properties of the plant, for example better growth, increased harvest yields, a better developed root system, a larger leaf area, greener leaves, stronger shoots, less seed required, lower phytotoxicity, mobilization of the defense system of the plant, good compatibility with plants. Moreover, even an enhanced systemic action of the pesticides as defined herein and/or a persistency of the fungicidal, insecticidal, acaricidal, nematocidal action and/or plant growth regulating activity are expected.

It was therefore also an object of the present invention to provide mixtures which solve the problems of reducing the dosage rate, and / or enhancing the spectrum of activity, and / or combining knock-down activity with prolonged control, and / or improving resistance management and/or promoting (increasing) the health of plants, and / or facilitating application on the plants or on the soil.

We have accordingly found that this object is achieved by the mixtures and compositions defined herein.

Any reference to "compound I" refers to compound I as such, or an agriculturally useful salt thereof.

Any reference to "compound II" refers to compound II as such, or an agriculturally useful salt thereof.

Any reference to "compound III" refers to compound III as such, or an agriculturally useful salt thereof.

Agriculturally useful salts of the active compounds I, II and III encompass especially the salts of those cations or the acid addition salts of those acids whose cations and anions, respectively, have no adverse effect on the insecticidal action of the active compounds. Suitable cations are thus in particular the ions of the alkali metals, preferably sodium and potassium, of the alkaline earth metals, preferably calcium, magnesium and barium, of the transition metals, preferably manganese, copper, zinc and iron, and also the ammonium ion which, if desired, may carry 1 to 4 C₁-C₄-alkyl substituents and/or one phenyl or benzyl substituent, preferably diisopropylammonium, tetramethylammonium, tetrabutylammonium, trimethylbenzylammonium, furthermore phosphonium ions, sulfonium ions, preferably tri(C₁-C₄-alkyl)sulfonium, and sulfoxonium ions, preferably tri(C₁-C₄-alkyl)sulfoxonium. Anions of useful acid addition salts are

primarily chloride, bromide, fluoride, hydrogensulfate, sulfate, dihydrogenphosphate, hydrogen-phosphate, phosphate, nitrate, bicarbonate, carbonate, hexafluorosilicate, hexafluorophosphate, benzoate, and the anions of C₁-C₄-alkanoic acids, preferably formate, acetate, propionate and butyrate. They can be formed by reacting a compound I with an acid of the corresponding anion, preferably of hydrochloric acid, hydrobromic acid, sulfuric acid, phosphoric acid or nitric acid.

The scope of the present invention includes mixtures of the (R)- and (S)-isomers and the racemates of compounds I and/or II and/or III having one or more chiral centers. As a result of hindered rotation of asymmetrically substituted groups, atropisomers of active compounds I and/or II and/or III may be present. They also form part of the subject matter of the invention.

The active compounds I and/or II and/or III of the present invention may be present in the form of their N-oxides. The term "N-oxide" includes any compound of the present invention which has at least one tertiary nitrogen atom that is oxidized to an N-oxide moiety. N-oxides of compounds of the mixtures of the present invention can in particular be prepared by oxidizing the ring nitrogen atom(s) of the pyridine ring and/or the pyrazole ring with a suitable oxidizing agent, such as peroxy carboxylic acids or other peroxides. The person skilled in the art knows if and in which positions compounds of the mixtures of the present invention, i.e. of the compounds I and/or II and/or III, may form N-oxides.

The compounds II and/or the mixtures or compositions according to the invention, respectively, are suitable as insecticides. They are distinguished by an outstanding effectiveness against a broad spectrum of phytopathogenic insects, acarids, nematodes or other pests (e.g. lepidopterans, beetles, dipterans, thrips, heteropterans, hemiptera, homoptera, termites, orthopterans, arachnids, and nematodes) on various cultivated plants, such as cereals, e.g. wheat, rye, barley, triticale, oats or rice; beet, e.g. sugar beet or fodder beet; fruits, such as pomes, stone fruits or soft fruits, e.g. apples, pears, plums, peaches, almonds, cherries, strawberries, raspberries, blackberries or gooseberries; leguminous plants, such as lentils, peas, alfalfa or soybeans; oil plants, such as rape, mustard, olives, sunflowers, coconut, cocoa beans, castor oil plants, oil palms, ground nuts or soybeans; cucurbits, such as squashes, cucumber or melons; fiber plants, such as cotton, flax, hemp or jute; citrus fruit, such as oranges, lemons, grapefruits or mandarins; vegetables, such as spinach, lettuce, asparagus, cabbages, carrots, onions, tomatoes, potatoes, cucurbits or paprika; lauraceous plants, such as avocados, cinnamon or camphor; energy and raw material plants, such as corn, soybean, rape, sugar cane or oil palm; corn; tobacco; nuts; coffee; tea; bananas; vines (table grapes and grape juice grape vines); hop; turf; natural rubber plants or ornamental and forestry plants, such as flowers, shrubs, broad-leaved trees or evergreens, e.g. conifers; and on the plant propagation material, such as seeds, and the crop material of these plants.

As used herein, the term "metabolite" refers to any component, compound, substance or byproduct (including but not limited to small molecule secondary metabolites, polyketides, fatty acid synthase products, non-ribosomal peptides, ribosomal peptides, proteins and enzymes) produced by a microorganism (such as fungi and bacteria, in particular the strains of the invention) that has any beneficial effect as described herein such as pesticidal activity or

improvement of plant growth, water use efficiency of the plant, plant health, plant appearance, or the population of beneficial microorganisms in the soil around the plant activity herein.

In another preferred embodiment, the compound II (insecticide) is an acetylcholine esterase (AChE) inhibitor.

- 5 In another preferred embodiment, the compound II (insecticide) is a GABA-gated chloride channel antagonist.

In another preferred embodiment, the compound II (insecticide) is a sodium channel modulator.

In another preferred embodiment, the compound II (insecticide) is a nicotinic acetylcholine receptor agonist (nAChR).

- 10 In another preferred embodiment, the compound II (insecticide) is a nicotinic acetylcholine receptor allosteric activator.

In another preferred embodiment, the compound II (insecticide) is a chloride channel activator.

In another preferred embodiment, the compound II (insecticide) is a juvenile hormone mimic.

- 15 In another preferred embodiment, the compound II (insecticide) is a miscellaneous non-specific (multi-site) inhibitor.

In another preferred embodiment, the compound II (insecticide) is a chordotonal organ TRPV channel modulators.

In another preferred embodiment, the compound II (insecticide) is a mite growth inhibitor.

- 20 In another preferred embodiment, the compound II (insecticide) is a microbial disruptor of insect midgut membranes.

In another preferred embodiment, the compound II (insecticide) is an inhibitor of mitochondrial ATP synthase.

In another preferred embodiment, the compound II (insecticide) is an uncoupler of oxidative phosphorylation via disruption of the proton gradient.

- 25 In another preferred embodiment, the compound II (insecticide) is a nicotinic acetylcholine receptor (nAChR) channel blocker.

In another preferred embodiment, the compound II (insecticide) is an inhibitor of the chitin biosynthesis type 0.

- 30 In another preferred embodiment, the compound II (insecticide) is an inhibitor of the chitin biosynthesis type 1.

In another preferred embodiment, the compound II (insecticide) is a moulting disruptor.

In another preferred embodiment, the compound II (insecticide) is an Ecdyson receptor agonist.

In another preferred embodiment, the compound II (insecticide) is an octopamin receptor agonist.

- 35 In another preferred embodiment, the compound II (insecticide) is a mitochondrial complex III electron transport inhibitor.

In another preferred embodiment, the compound II (insecticide) is a mitochondrial complex I electron transport inhibitor.

- 40 In another preferred embodiment, the compound II (insecticide) is a voltage-dependent sodium channel blocker.

In another preferred embodiment, the compound II (insecticide) is an inhibitor of the of acetyl CoA carboxylase.

In another preferred embodiment, the compound II (insecticide) is a mitochondrial complex IV electron transport inhibitor.

In another preferred embodiment, the compound II (insecticide) is a mitochondrial complex II electron transport inhibitor.

- 5 In another preferred embodiment, the compound II (insecticide) is a Ryanodine receptor-modulator.

In another preferred embodiment, the compound II (insecticide) is an insecticidal active compound of unknown or uncertain mode of action.

- 10 In another preferred embodiment, the compound II (insecticide) is a Chordotonal organ modulator (undefined target site).

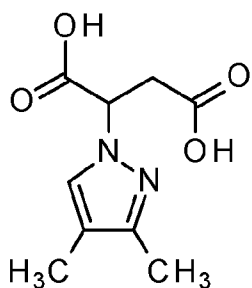
In a particularly preferred embodiment, the compound II (insecticide) is selected from the group consisting of thiodicarb, clothianidin, imidacloprid, thiamethoxam, thiacloprid, fipronil, chlorpyrifos, acephate, abamectin, chlorfenapyr, alpha-cypermethrin, dinotefuran, teflubenzuron, cyflumetofen, sulfoxaflor, endosulfan, ethiprole, vaniliprole, pyrafluprole, pyriprole, and 5-amino-1-(2,6-dichloro-4-methyl-phenyl)-4-sulfamoyl-1H-pyrazole-3-carbothioic acid amide.

In another preferred embodiment, the compound II (insecticide) is selected from the group consisting of spinosad, spinetoram, spirotetramat, and spiropidion.

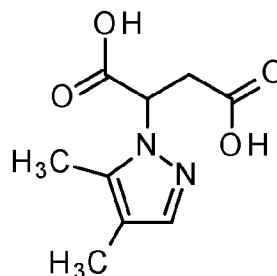
- 20 In another preferred embodiment, the compound II (insecticide) is selected from the group consisting of flubendiamide, chlorantraniliprole, cyantraniliprole, cyclaniliprole, and tetraniliprole, and cyhalodiamide.

Regarding the Compounds I, the compound and preparation of DMPSA1 or DMPSA2 have been described for example in WO 2015/086823 A2. DMPSA1 is described in the formula I

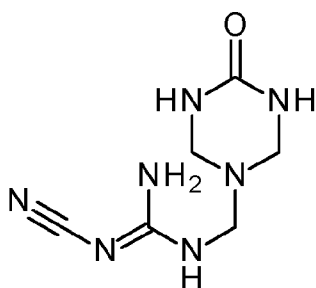
- 25 below, and DMPSA2 is described in formula II below. The compound and preparation of DMPG, DMPC, DMPL, and DMPM have been described for example in AU 2015/227487 B1. The compound and preparation of N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide have been described for example in DE 102013022031 B3, The compound and preparation of N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide, N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide, and N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide have been described for example in EP 2785697 B1. A reaction adduct of dicyandiamide, urea and formaldehyde, a triazonyl-formaldehyde-dicyandiamide adduct, 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine, 1-((2-cyanoguanidino)methyl)urea, and 2-cyano-1-((2-cyanoguanidino)methyl)guanidine have been described in US 2016/0060184 A1. 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine has the structure as described in formula III below, and 1-((2-cyanoguanidino)methyl)urea has the structure as described in formula IV below, and 2-cyano-1-((2-cyanoguanidino)methyl)guanidine has the structure as described in formula V below.



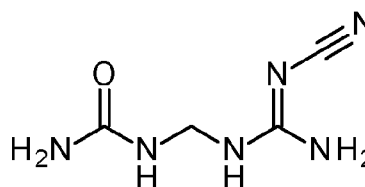
Formula I



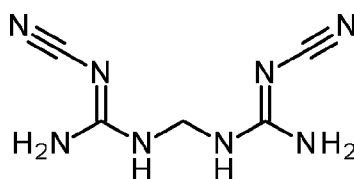
Formula II



Formula III



Formula IV



Formula V

In one preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid (DMPSA1) and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid (DMPSA2), and/or a derivative thereof, and/or a salt thereof, more preferably DMPSA1 and/or DMPSA2, most preferably DMPSA1.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is a salt of DMPSA1 and/or DMPSA2, more preferably an alkali salt, an earth alkali salt, or an ammonium salt of DMPSA1 and/or DMPSA2, most preferably a potassium salt, sodium salt, magnesium salt, or an ammonium salt of DMPSA1 and/or DMPSA2, particularly a potassium salt of DMPSA1 and/or DMPSA2.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is an alkali salt of DMPSA1 and/or DMPSA2.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is an earth alkali salt of DMPSA1 and/or DMPSA2.

5 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is an ammonium salt of DMPSA1 and/or DMPSA2.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is a sodium salt of DMPSA1 and/or DMPSA2.

10 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is a magnesium salt of DMPSA1 and/or DMPSA2.

15 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is the glycolic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium glycolate, referred to as "DMPG" in the following), and/or an isomer thereof, and/or a derivative thereof, most preferably DMPG.

20 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is the citric acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium citrate, referred to as "DMPC" in the following), and/or an isomer thereof, and/or a derivative thereof, most preferably DMPC.

25 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is the lactic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium lactate, referred to as "DMPL" in the following), and/or an isomer thereof, and/or a derivative thereof, most preferably DMPL.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is the mandelic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium mandelate, referred to as "DMPM" in the following), and/or an isomer thereof, and/or a derivative thereof, most preferably DMPM.

30 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is 1,2,4-triazole (referred to as „TZ“ in the following), and/or a derivative thereof, and/or a salt thereof, most preferably TZ.

35 In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is 4-Chloro-3-methylpyrazole (referred to as „CIMP“ in the following), and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof, most preferably CIMP.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,

most preferably N-((3-methyl-1H-pyrazole-1-yl)methyl)acetamide, and/or N-((5-methyl-1H-pyrazole-1-yl)methyl)acetamide.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof, most preferably N-((3-methyl-1H-pyrazole-1-yl)methyl)formamide, and/or N-((5-methyl-1H-pyrazole-1-yl)methyl)formamide.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof, most preferably N-((3,4-dimethyl-1H-pyrazole-1-yl)methyl)formamide, and/or N-((4,5-dimethyl-1H-pyrazole-1-yl)methyl)formamide.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof, most preferably N-((4-chloro-3-methyl-pyrazole-1-yl)methyl)formamide, and/or N-((4-chloro-5-methyl-pyrazole-1-yl)methyl)formamide.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is a reaction adduct of dicyandiamide, urea and formaldehyde, preferably a reaction adduct of dicyandiamide, urea and formaldehyde as described in US 2016/0060184 A1.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is a triazonyl-formaldehyde-dicyandiamide adducte, preferably a triazonyl-formaldehyde-dicyandiamide adduct as described in US 2016/0060184 A1.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine.

In another preferred embodiment, the present invention relates to mixtures comprising at least one active compound I, wherein the active compound I is 1-((2-cyanoguanidino)methyl)urea.

Particularly preferred are mixtures wherein compound I is selected from the group consisting of compounds I.A to I.AU:

- I.A: 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid (DMPSA1) and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid (DMPSA2),
- I.B: a salt of DMPSA1 and/or DMPSA2,
- I.C: a potassium salt of DMPSA1 and/or DMPSA2,
- I.D: an ammonium salt of DMPSA1 and/or DMPSA2,
- I.E a sodium salt of DMPSA1 and/or DMPSA2,

- I.F: 3,4-dimethyl pyrazolium glycolate (DMPG),
- I.G: 3,4-dimethyl pyrazolium citrate (DMPC),
- I.H: 3,4-dimethyl pyrazolium lactate (DMPL),
- I.J: 3,4-dimethyl pyrazolium lactate (DMPM),
- 5 I.K: 1,2,4-triazole (TZ),
- I.L: 4-Chloro-3-methylpyrazole (CIMP),
- I.M N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide,
- I.N N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide,
- I.O N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide,
- 10 I.P N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide,
- I.Q reaction adduct of dicyandiamide, urea and formaldehyde, or a triazonyl-formaldehyde-dicyandiamide adduct
- I.R 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine,
- I.S 1-((2-cyanoguanidino)methyl)urea,
- 15 I.T 2-cyano-1-((2-cyanoguanidino)methyl)guanidine,
- I.U 2-chloro-6-(trichloromethyl)-pyridine (nitrapyrin or N-serve),
- I.V dicyandiamide (DCD, DIDIN),
- I.W 3,4-dimethyl pyrazole phosphate, and/or 3,5-dimethyl pyrazole phosphate (DMPP, ENTEC), and/or a derivative thereof,
- 20 I.X 3,4-dimethylpyrazole, and/or 3,5-dimethylpyrazole (DMP), and/or a derivative thereof, and/or a salt thereof,
- I.Y ammoniumthiosulfate (ATU),
- I.Z neem,
- I.AA linoleic acid,
- 25 I.AB alpha-linolenic acid,
- I.AC methyl p-coumarate,
- I.AD methyl ferulate,
- I.AE methyl 3-(4-hydroxyphenyl) propionate (MHPP),
- I.AF brachialacton,
- 30 I.AG p-benzoquinone sorgoleone,
- I.AH 4-amino-1,2,4-triazole hydrochloride (ATC),

- I.AI 1-amido-2-thiourea (ASU),
- I.AJ 2-amino-4-chloro-6-methylpyrimidine (AM),
- I.AK 2-mercapto-benzothiazole (MBT),
- I.AL 5-ethoxy-3-trichloromethyl-1,2,4-thiodiazole (terrazole, etridiazole),
- 5 I.AM 2-sulfanilamidothiazole (ST),
- I.AN 3-methylpyrazol (3-MP),
- I.AO 1,2,4-triazol thiourea (TU),
- I.AP cyan amide,
- I.AQ melamine,
- 10 I.AR zeolite powder,
- I.AS catechol,
- I.AT benzoquinone,
- I.AU sodium tetra borate,
- I.AV allylthiourea,
- 15 I.AW chlorate salts,or
- I.AX zinc sulfate.

In one aspect of the invention, compound I is selected from the group of compounds consisting of I.A, I.B, I.C, I.D, I.E, I.L, I.M, I.N, I.O, I.P, I.Q, I.R, I.S., I.T, I.U, I.V, I.W, I.X, I.Y, I.Z, I.AA, I.AB, I.AC, I.AD, I.AE, I.AF, I.AG, I.AH, I.AI, I.AJ, I.AK, I.AL, I.AM, I.AN, I.AO, I.AP, I.AQ, I.AR, I.AS, I.AT, I.AU, I.AV, I.AW, or I.AX, more preferably selected from the group of compounds consisting of I.A, I.B, I.C, I.D, I.E, I.L, I.M, I.N, I.O, I.P, I.Q, I.R, I.S., I.T, I.U, I.V, I.W, I.X, I.Y, I.AX, most preferably selected from the group of compounds consisting of I.A, I.B, I.C, I.D, I.E, I.L, I.M, I.N, I.O, I.P, I.Q, I.R, I.S.

25

With respect to their intended use in the methods of the present invention, the following binary mixtures (A) listed in tables 1 to 49 comprising one compound (I) and one compound (II) are a preferred embodiment of the present invention.

According to the present invention and/or with respect to their intended use in the methods of the present invention, the following binary mixtures (B) listed in tables 1 to 49 comprising one compound (I) and one compound (II) are a preferred embodiment of the present invention.

5

Table 1:

B = Mixture; I = compound I; II = compound II

B	I	II
B1	(I.A)	O.1.1
B2	(I.A)	O.1.2
B3	(I.A)	O.1.3
B4	(I.A)	O.1.4
B5	(I.A)	O.1.5
B6	(I.A)	O.1.6
B7	(I.A)	O.1.7
B8	(I.A)	O.1.8
B9	(I.A)	O.1.9
B10	(I.A)	O.1.10
B11	(I.A)	O.1.11
B12	(I.A)	O.1.12
B13	(I.A)	O.1.13
B14	(I.A)	O.1.14
B15	(I.A)	O.1.15
B16	(I.A)	O.1.16
B17	(I.A)	O.1.17
B18	(I.A)	O.1.18
B19	(I.A)	O.1.19
B20	(I.A)	O.1.20
B21	(I.A)	O.1.21
B22	(I.A)	O.1.22
B23	(I.A)	O.1.23
B24	(I.A)	O.1.24
B25	(I.A)	O.1.25
B26	(I.A)	O.1.26
B27	(I.A)	O.1.27

B	I	II
B28	(I.A)	O.1.28
B29	(I.A)	O.1.29
B30	(I.A)	O.1.30
B31	(I.A)	O.1.31
B32	(I.A)	O.1.32
B33	(I.A)	O.1.33
B34	(I.A)	O.1.34
B35	(I.A)	O.1.35
B36	(I.A)	O.1.36
B37	(I.A)	O.1.37
B38	(I.A)	O.1.38
B39	(I.A)	O.1.39
B40	(I.A)	O.1.40
B41	(I.A)	O.1.41
B42	(I.A)	O.1.42
B43	(I.A)	O.1.43
B44	(I.A)	O.1.44
B45	(I.A)	O.1.45
B46	(I.A)	O.1.46
B47	(I.A)	O.1.47
B48	(I.A)	O.1.48
B49	(I.A)	O.1.49
B50	(I.A)	O.1.50
B51	(I.A)	O.1.51
B52	(I.A)	O.1.52
B53	(I.A)	O.1.53
B54	(I.A)	O.1.54

B	I	II
B55	(I.A)	O.1.55
B56	(I.A)	O.1.56
B57	(I.A)	O.1.57
B58	(I.A)	O.1.58
B59	(I.A)	O.1.59
B60	(I.A)	O.1.60
B61	(I.A)	O.1.61
B62	(I.A)	O.1.62
B63	(I.A)	O.1.63
B64	(I.A)	O.1.64
B65	(I.A)	O.1.65
B66	(I.A)	O.1.66
B67	(I.A)	O.1.67
B68	(I.A)	O.1.68
B69	(I.A)	O.1.69
B70	(I.A)	O.1.70
B71	(I.A)	O.1.71
B72	(I.A)	O.1.72
B73	(I.A)	O.1.73
B74	(I.A)	O.1.74
B75	(I.A)	O.1.75
B76	(I.A)	O.1.76
B77	(I.A)	O.1.77
B78	(I.A)	O.1.78
B79	(I.A)	O.1.79
B80	(I.A)	O.1.80
B81	(I.A)	O.1.81

B	I	II
B82	(I.A)	O.1.82
B83	(I.A)	O.1.83
B84	(I.A)	O.1.84
B85	(I.A)	O.1.85
B86	(I.A)	O.1.86
B87	(I.A)	O.1.87
B88	(I.A)	O.1.88
B89	(I.A)	O.1.89
B90	(I.A)	O.1.90
B91	(I.A)	O.1.91
B92	(I.A)	O.2.1
B93	(I.A)	O.2.2
B94	(I.A)	O.2.3
B95	(I.A)	O.2.4
B96	(I.A)	O.2.5
B97	(I.A)	O.2.6
B98	(I.A)	O.2.7
B99	(I.A)	O.3.1
B100	(I.A)	O.3.2
B101	(I.A)	O.3.3
B102	(I.A)	O.3.4
B103	(I.A)	O.3.5
B104	(I.A)	O.3.6
B105	(I.A)	O.3.7
B106	(I.A)	O.3.8
B107	(I.A)	O.3.9
B108	(I.A)	O.3.10
B109	(I.A)	O.3.11
B110	(I.A)	O.3.12
B111	(I.A)	O.3.13
B112	(I.A)	O.3.14
B113	(I.A)	O.3.15
B114	(I.A)	O.3.16
B115	(I.A)	O.3.17
B116	(I.A)	O.3.18

B	I	II
B117	(I.A)	O.3.19
B118	(I.A)	O.3.20
B119	(I.A)	O.3.21
B120	(I.A)	O.3.22
B121	(I.A)	O.3.23
B122	(I.A)	O.3.24
B123	(I.A)	O.3.25
B124	(I.A)	O.3.26
B125	(I.A)	O.3.27
B126	(I.A)	O.3.28
B127	(I.A)	O.3.29
B128	(I.A)	O.3.30
B129	(I.A)	O.3.31
B130	(I.A)	O.3.32
B131	(I.A)	O.3.33
B132	(I.A)	O.3.34
B133	(I.A)	O.3.35
B134	(I.A)	O.3.36
B135	(I.A)	O.3.37
B136	(I.A)	O.3.38
B137	(I.A)	O.3.39
B138	(I.A)	O.3.40
B139	(I.A)	O.3.41
B140	(I.A)	O.3.42
B141	(I.A)	O.3.43
B142	(I.A)	O.3.44
B143	(I.A)	O.3.45
B144	(I.A)	O.3.46
B145	(I.A)	O.3.47
B146	(I.A)	O.3.48
B147	(I.A)	O.3.49
B148	(I.A)	O.4.1
B149	(I.A)	O.4.2
B150	(I.A)	O.4.3
B151	(I.A)	O.4.4

B	I	II
B152	(I.A)	O.4.5
B153	(I.A)	O.4.6
B154	(I.A)	O.4.7
B155	(I.A)	O.4.8
B156	(I.A)	O.4.9
B157	(I.A)	O.4.10
B158	(I.A)	O.4.11
B159	(I.A)	O.4.12
B160	(I.A)	O.4.13
B161	(I.A)	O.4.14
B162	(I.A)	O.4.15
B163	(I.A)	O.5.1
B164	(I.A)	O.5.2
B165	(I.A)	O.6.1
B166	(I.A)	O.6.2
B167	(I.A)	O.6.3
B168	(I.A)	O.6.4
B169	(I.A)	O.6.5
B170	(I.A)	O.7.1
B171	(I.A)	O.7.2
B172	(I.A)	O.7.3
B173	(I.A)	O.7.4
B174	(I.A)	O.7.5
B175	(I.A)	O.8.1
B176	(I.A)	O.8.2
B177	(I.A)	O.8.3
B178	(I.A)	O.8.4
B179	(I.A)	O.8.5
B180	(I.A)	O.9.1
B181	(I.A)	O.9.2
B182	(I.A)	O.10.1
B183	(I.A)	O.10.2
B184	(I.A)	O.10.3
B185	(I.A)	O.10.4
B186	(I.A)	O.11

B	I	II
B187	(I.A)	O.12.1
B188	(I.A)	O.12.2
B189	(I.A)	O.12.3
B190	(I.A)	O.12.4
B191	(I.A)	O.12.5
B192	(I.A)	O.12.6
B193	(I.A)	O.13.1
B194	(I.A)	O.13.2
B195	(I.A)	O.13.3
B196	(I.A)	O.14.1
B197	(I.A)	O.14.2
B198	(I.A)	O.14.3
B199	(I.A)	O.14.4
B200	(I.A)	O.15.1
B201	(I.A)	O.15.2
B202	(I.A)	O.15.3
B203	(I.A)	O.15.4
B204	(I.A)	O.15.5
B205	(I.A)	O.15.6
B206	(I.A)	O.15.7
B207	(I.A)	O.15.8
B208	(I.A)	O.15.9
B209	(I.A)	O.15.10
B210	(I.A)	O.15.11
B211	(I.A)	O.16.1
B212	(I.A)	O.17.1
B213	(I.A)	O.18.1
B214	(I.A)	O.18.2
B215	(I.A)	O.18.3
B216	(I.A)	O.18.4
B217	(I.A)	O.18.5
B218	(I.A)	O.19.1
B219	(I.A)	O.20.1
B220	(I.A)	O.20.2
B221	(I.A)	O.20.3

B	I	II
B222	(I.A)	O.20.4
B223	(I.A)	O.21.1
B224	(I.A)	O.21.2
B225	(I.A)	O.21.3
B226	(I.A)	O.21.4
B227	(I.A)	O.21.5
B228	(I.A)	O.21.6
B229	(I.A)	O.21.7
B230	(I.A)	O.22.1
B231	(I.A)	O.22.2
B232	(I.A)	O.22.3
B233	(I.A)	O.22.4
B234	(I.A)	O.23.1
B235	(I.A)	O.23.2
B236	(I.A)	O.23.3
B237	(I.A)	O.23.4
B238	(I.A)	O.24.1
B239	(I.A)	O.24.2
B240	(I.A)	O.24.3
B241	(I.A)	O.24.4
B242	(I.A)	O.24.5
B243	(I.A)	O.25.1
B244	(I.A)	O.25.2
B245	(I.A)	O.26.1
B246	(I.A)	O.26.2
B247	(I.A)	O.26.3
B248	(I.A)	O.26.4
B249	(I.A)	O.26.5
B250	(I.A)	O.26.6
B251	(I.A)	O.26.7
B252	(I.A)	O.26.8
B253	(I.A)	O.26.9
B254	(I.A)	O.26.10
B255	(I.A)	O.26.11
B256	(I.A)	O.26.12

B	I	II
B257	(I.A)	O.26.13
B258	(I.A)	O.26.14
B259	(I.A)	O.26.15
B260	(I.A)	O.26.16
B261	(I.A)	O.26.17
B262	(I.A)	O.26.18
B263	(I.A)	O.27.1
B264	(I.A)	O.27.2
B265	(I.A)	O.27.3
B266	(I.A)	O.27.4
B267	(I.A)	O.27.5
B268	(I.A)	O.27.6
B269	(I.A)	O.27.7
B270	(I.A)	O.27.8
B271	(I.A)	O.27.9
B272	(I.A)	O.27.10
B273	(I.A)	O.27.11
B274	(I.A)	O.27.12
B275	(I.A)	O.27.13
B276	(I.A)	O.27.14
B277	(I.A)	O.27.15
B278	(I.A)	O.27.16
B279	(I.A)	O.27.17
B280	(I.A)	O.27.18
B281	(I.A)	O.27.19
B282	(I.A)	O.27.20
B283	(I.A)	O.27.21
B284	(I.A)	O.27.22
B285	(I.A)	O.27.23
B286	(I.A)	O.27.24
B287	(I.A)	O.27.25
B288	(I.A)	O.27.26
B289	(I.A)	O.27.27
B290	(I.A)	O.27.28
B291	(I.A)	O.27.29

B	I	II
B292	(I.A)	O.27.30
B293	(I.A)	O.27.31
B294	(I.A)	O.27.32
B295	(I.A)	O.27.33
B296	(I.A)	O.27.34
B297	(I.A)	O.27.35
B298	(I.A)	O.27.36
B299	(I.A)	O.27.37
B300	(I.A)	O.27.38
B301	(I.A)	O.27.42
B302	(I.A)	O.27.43
B303	(I.A)	O.27.44
B304	(I.A)	O.27.45
B305	(I.A)	O.27.46
B306	(I.A)	O.27.47
B307	(I.A)	O.27.48
B308	(I.A)	O.27.49
B309	(I.A)	O.27.50
B310	(I.A)	O.27.51
B311	(I.A)	O.27.52
B312	(I.A)	O.27.53
B313	(I.A)	O.27.54
B314	(I.A)	O.27.55

B	I	II
B315	(I.A)	O.27.56
B316	(I.A)	O.27.57
B317	(I.A)	O.27.58
B318	(I.A)	O.27.59
B319	(I.A)	O.27.60
B320	(I.A)	O.27.61
B321	(I.A)	O.27.62
B322	(I.A)	O.27.63
B323	(I.A)	O.27.64
B324	(I.A)	O.27.65
B325	(I.A)	O.27.66
B326	(I.A)	O.27.67
B327	(I.A)	O.27.68
B328	(I.A)	O.27.69
B329	(I.A)	O.27.70
B330	(I.A)	O.27.71
B331	(I.A)	O.27.72
B332	(I.A)	O.27.73
B333	(I.A)	O.27.74
B334	(I.A)	O.27.75
B335	(I.A)	O.27.76
B336	(I.A)	O.27.77
B337	(I.A)	O.27.78

B	I	II
B338	(I.A)	O.27.79
B339	(I.A)	O.27.80
B340	(I.A)	O.27.81
B341	(I.A)	O.27.82
B342	(I.A)	O.27.83
B343	(I.A)	O.27.84
B344	(I.A)	O.27.85
B345	(I.A)	O.27.86
B346	(I.A)	O.27.87
B347	(I.A)	O.27.88
B348	(I.A)	O.27.89
B349	(I.A)	O.27.90
B350	(I.A)	O.27.91
B351	(I.A)	O.27.92
B352	(I.A)	O.27.93
B353	(I.A)	O.27.94
B354	(I.A)	O.27.95
B355	(I.A)	O.27.96
B356	(I.A)	O.27.97
B357	(I.A)	O.27.98
B358	(I.A)	O.27.99
B359	(I.A)	O.29.1

Table 2:

B = Mixture; I = compound I; II = compound II

B	I	II
B360	(I.B)	O.1.1
B361	(I.B)	O.1.2
B362	(I.B)	O.1.3
B363	(I.B)	O.1.4
B364	(I.B)	O.1.5
B365	(I.B)	O.1.6
B366	(I.B)	O.1.7

B	I	II
B367	(I.B)	O.1.8
B368	(I.B)	O.1.9
B369	(I.B)	O.1.10
B370	(I.B)	O.1.11
B371	(I.B)	O.1.12
B372	(I.B)	O.1.13
B373	(I.B)	O.1.14

B	I	II
B374	(I.B)	O.1.15
B375	(I.B)	O.1.16
B376	(I.B)	O.1.17
B377	(I.B)	O.1.18
B378	(I.B)	O.1.19
B379	(I.B)	O.1.20
B380	(I.B)	O.1.21

B	I	II
B381	(I.B)	O.1.22
B382	(I.B)	O.1.23
B383	(I.B)	O.1.24
B384	(I.B)	O.1.25
B385	(I.B)	O.1.26
B386	(I.B)	O.1.27
B387	(I.B)	O.1.28
B388	(I.B)	O.1.29
B389	(I.B)	O.1.30
B390	(I.B)	O.1.31
B391	(I.B)	O.1.32
B392	(I.B)	O.1.33
B393	(I.B)	O.1.34
B394	(I.B)	O.1.35
B395	(I.B)	O.1.36
B396	(I.B)	O.1.37
B397	(I.B)	O.1.38
B398	(I.B)	O.1.39
B399	(I.B)	O.1.40
B400	(I.B)	O.1.41
B401	(I.B)	O.1.42
B402	(I.B)	O.1.43
B403	(I.B)	O.1.44
B404	(I.B)	O.1.45
B405	(I.B)	O.1.46
B406	(I.B)	O.1.47
B407	(I.B)	O.1.48
B408	(I.B)	O.1.49
B409	(I.B)	O.1.50
B410	(I.B)	O.1.51
B411	(I.B)	O.1.52
B412	(I.B)	O.1.53
B413	(I.B)	O.1.54
B414	(I.B)	O.1.55
B415	(I.B)	O.1.56

B	I	II
B416	(I.B)	O.1.57
B417	(I.B)	O.1.58
B418	(I.B)	O.1.59
B419	(I.B)	O.1.60
B420	(I.B)	O.1.61
B421	(I.B)	O.1.62
B422	(I.B)	O.1.63
B423	(I.B)	O.1.64
B424	(I.B)	O.1.65
B425	(I.B)	O.1.66
B426	(I.B)	O.1.67
B427	(I.B)	O.1.68
B428	(I.B)	O.1.69
B429	(I.B)	O.1.70
B430	(I.B)	O.1.71
B431	(I.B)	O.1.72
B432	(I.B)	O.1.73
B433	(I.B)	O.1.74
B434	(I.B)	O.1.75
B435	(I.B)	O.1.76
B436	(I.B)	O.1.77
B437	(I.B)	O.1.78
B438	(I.B)	O.1.79
B439	(I.B)	O.1.80
B440	(I.B)	O.1.81
B441	(I.B)	O.1.82
B442	(I.B)	O.1.83
B443	(I.B)	O.1.84
B444	(I.B)	O.1.85
B445	(I.B)	O.1.86
B446	(I.B)	O.1.87
B447	(I.B)	O.1.88
B448	(I.B)	O.1.89
B449	(I.B)	O.1.90
B450	(I.B)	O.1.91

B	I	II
B451	(I.B)	O.2.1
B452	(I.B)	O.2.2
B453	(I.B)	O.2.3
B454	(I.B)	O.2.4
B455	(I.B)	O.2.5
B456	(I.B)	O.2.6
B457	(I.B)	O.2.7
B458	(I.B)	O.3.1
B459	(I.B)	O.3.2
B460	(I.B)	O.3.3
B461	(I.B)	O.3.4
B462	(I.B)	O.3.5
B463	(I.B)	O.3.6
B464	(I.B)	O.3.7
B465	(I.B)	O.3.8
B466	(I.B)	O.3.9
B467	(I.B)	O.3.10
B468	(I.B)	O.3.11
B469	(I.B)	O.3.12
B470	(I.B)	O.3.13
B471	(I.B)	O.3.14
B472	(I.B)	O.3.15
B473	(I.B)	O.3.16
B474	(I.B)	O.3.17
B475	(I.B)	O.3.18
B476	(I.B)	O.3.19
B477	(I.B)	O.3.20
B478	(I.B)	O.3.21
B479	(I.B)	O.3.22
B480	(I.B)	O.3.23
B481	(I.B)	O.3.24
B482	(I.B)	O.3.25
B483	(I.B)	O.3.26
B484	(I.B)	O.3.27
B485	(I.B)	O.3.28

B	I	II
B486	(I.B)	O.3.29
B487	(I.B)	O.3.30
B488	(I.B)	O.3.31
B489	(I.B)	O.3.32
B490	(I.B)	O.3.33
B491	(I.B)	O.3.34
B492	(I.B)	O.3.35
B493	(I.B)	O.3.36
B494	(I.B)	O.3.37
B495	(I.B)	O.3.38
B496	(I.B)	O.3.39
B497	(I.B)	O.3.40
B498	(I.B)	O.3.41
B499	(I.B)	O.3.42
B500	(I.B)	O.3.43
B501	(I.B)	O.3.44
B502	(I.B)	O.3.45
B503	(I.B)	O.3.46
B504	(I.B)	O.3.47
B505	(I.B)	O.3.48
B506	(I.B)	O.3.49
B507	(I.B)	O.4.1
B508	(I.B)	O.4.2
B509	(I.B)	O.4.3
B510	(I.B)	O.4.4
B511	(I.B)	O.4.5
B512	(I.B)	O.4.6
B513	(I.B)	O.4.7
B514	(I.B)	O.4.8
B515	(I.B)	O.4.9
B516	(I.B)	O.4.10
B517	(I.B)	O.4.11
B518	(I.B)	O.4.12
B519	(I.B)	O.4.13
B520	(I.B)	O.4.14

B	I	II
B521	(I.B)	O.4.15
B522	(I.B)	O.5.1
B523	(I.B)	O.5.2
B524	(I.B)	O.6.1
B525	(I.B)	O.6.2
B526	(I.B)	O.6.3
B527	(I.B)	O.6.4
B528	(I.B)	O.6.5
B529	(I.B)	O.7.1
B530	(I.B)	O.7.2
B531	(I.B)	O.7.3
B532	(I.B)	O.7.4
B533	(I.B)	O.7.5
B534	(I.B)	O.8.1
B535	(I.B)	O.8.2
B536	(I.B)	O.8.3
B537	(I.B)	O.8.4
B538	(I.B)	O.8.5
B539	(I.B)	O.9.1
B540	(I.B)	O.9.2
B541	(I.B)	O.10.1
B542	(I.B)	O.10.2
B543	(I.B)	O.10.3
B544	(I.B)	O.10.4
B545	(I.B)	O.11
B546	(I.B)	O.12.1
B547	(I.B)	O.12.2
B548	(I.B)	O.12.3
B549	(I.B)	O.12.4
B550	(I.B)	O.12.5
B551	(I.B)	O.12.6
B552	(I.B)	O.13.1
B553	(I.B)	O.13.2
B554	(I.B)	O.13.3
B555	(I.B)	O.14.1

B	I	II
B556	(I.B)	O.14.2
B557	(I.B)	O.14.3
B558	(I.B)	O.14.4
B559	(I.B)	O.15.1
B560	(I.B)	O.15.2
B561	(I.B)	O.15.3
B562	(I.B)	O.15.4
B563	(I.B)	O.15.5
B564	(I.B)	O.15.6
B565	(I.B)	O.15.7
B566	(I.B)	O.15.8
B567	(I.B)	O.15.9
B568	(I.B)	O.15.10
B569	(I.B)	O.15.11
B570	(I.B)	O.16.1
B571	(I.B)	O.17.1
B572	(I.B)	O.18.1
B573	(I.B)	O.18.2
B574	(I.B)	O.18.3
B575	(I.B)	O.18.4
B576	(I.B)	O.18.5
B577	(I.B)	O.19.1
B578	(I.B)	O.20.1
B579	(I.B)	O.20.2
B580	(I.B)	O.20.3
B581	(I.B)	O.20.4
B582	(I.B)	O.21.1
B583	(I.B)	O.21.2
B584	(I.B)	O.21.3
B585	(I.B)	O.21.4
B586	(I.B)	O.21.5
B587	(I.B)	O.21.6
B588	(I.B)	O.21.7
B589	(I.B)	O.22.1
B590	(I.B)	O.22.2

B	I	II
B591	(I.B)	O.22.3
B592	(I.B)	O.22.4
B593	(I.B)	O.23.1
B594	(I.B)	O.23.2
B595	(I.B)	O.23.3
B596	(I.B)	O.23.4
B597	(I.B)	O.24.1
B598	(I.B)	O.24.2
B599	(I.B)	O.24.3
B600	(I.B)	O.24.4
B601	(I.B)	O.24.5
B602	(I.B)	O.25.1
B603	(I.B)	O.25.2
B604	(I.B)	O.26.1
B605	(I.B)	O.26.2
B606	(I.B)	O.26.3
B607	(I.B)	O.26.4
B608	(I.B)	O.26.5
B609	(I.B)	O.26.6
B610	(I.B)	O.26.7
B611	(I.B)	O.26.8
B612	(I.B)	O.26.9
B613	(I.B)	O.26.10
B614	(I.B)	O.26.11
B615	(I.B)	O.26.12
B616	(I.B)	O.26.13
B617	(I.B)	O.26.14
B618	(I.B)	O.26.15
B619	(I.B)	O.26.16
B620	(I.B)	O.26.17
B621	(I.B)	O.26.18
B622	(I.B)	O.27.1
B623	(I.B)	O.27.2
B624	(I.B)	O.27.3
B625	(I.B)	O.27.4

B	I	II
B626	(I.B)	O.27.5
B627	(I.B)	O.27.6
B628	(I.B)	O.27.7
B629	(I.B)	O.27.8
B630	(I.B)	O.27.9
B631	(I.B)	O.27.10
B632	(I.B)	O.27.11
B633	(I.B)	O.27.12
B634	(I.B)	O.27.13
B635	(I.B)	O.27.14
B636	(I.B)	O.27.15
B637	(I.B)	O.27.16
B638	(I.B)	O.27.17
B639	(I.B)	O.27.18
B640	(I.B)	O.27.19
B641	(I.B)	O.27.20
B642	(I.B)	O.27.21
B643	(I.B)	O.27.22
B644	(I.B)	O.27.23
B645	(I.B)	O.27.24
B646	(I.B)	O.27.25
B647	(I.B)	O.27.26
B648	(I.B)	O.27.27
B649	(I.B)	O.27.28
B650	(I.B)	O.27.29
B651	(I.B)	O.27.30
B652	(I.B)	O.27.31
B653	(I.B)	O.27.32
B654	(I.B)	O.27.33
B655	(I.B)	O.27.34
B656	(I.B)	O.27.35
B657	(I.B)	O.27.36
B658	(I.B)	O.27.37
B659	(I.B)	O.27.38
B660	(I.B)	O.27.42

B	I	II
B661	(I.B)	O.27.43
B662	(I.B)	O.27.44
B663	(I.B)	O.27.45
B664	(I.B)	O.27.46
B665	(I.B)	O.27.47
B666	(I.B)	O.27.48
B667	(I.B)	O.27.49
B668	(I.B)	O.27.50
B669	(I.B)	O.27.51
B670	(I.B)	O.27.52
B671	(I.B)	O.27.53
B672	(I.B)	O.27.54
B673	(I.B)	O.27.55
B674	(I.B)	O.27.56
B675	(I.B)	O.27.57
B676	(I.B)	O.27.58
B677	(I.B)	O.27.59
B678	(I.B)	O.27.60
B679	(I.B)	O.27.61
B680	(I.B)	O.27.62
B681	(I.B)	O.27.63
B682	(I.B)	O.27.64
B683	(I.B)	O.27.65
B684	(I.B)	O.27.66
B685	(I.B)	O.27.67
B686	(I.B)	O.27.68
B687	(I.B)	O.27.69
B688	(I.B)	O.27.70
B689	(I.B)	O.27.71
B690	(I.B)	O.27.72
B691	(I.B)	O.27.73
B692	(I.B)	O.27.74
B693	(I.B)	O.27.75
B694	(I.B)	O.27.76
B695	(I.B)	O.27.77

B	I	II
B696	(I.B)	O.27.78
B697	(I.B)	O.27.79
B698	(I.B)	O.27.80
B699	(I.B)	O.27.81
B700	(I.B)	O.27.82
B701	(I.B)	O.27.83
B702	(I.B)	O.27.84
B703	(I.B)	O.27.85

B	I	II
B704	(I.B)	O.27.86
B705	(I.B)	O.27.87
B706	(I.B)	O.27.88
B707	(I.B)	O.27.89
B708	(I.B)	O.27.90
B709	(I.B)	O.27.91
B710	(I.B)	O.27.92
B711	(I.B)	O.27.93

B	I	II
B712	(I.B)	O.27.94
B713	(I.B)	O.27.95
B714	(I.B)	O.27.96
B715	(I.B)	O.27.97
B716	(I.B)	O.27.98
B717	(I.B)	O.27.99
B718	(I.B)	O.29.1

Table 3:

B = Mixture; I = compound I; II = compound II

B	I	II
B719	(I.C)	O.1.1
B720	(I.C)	O.1.2
B721	(I.C)	O.1.3
B722	(I.C)	O.1.4
B723	(I.C)	O.1.5
B724	(I.C)	O.1.6
B725	(I.C)	O.1.7
B726	(I.C)	O.1.8
B727	(I.C)	O.1.9
B728	(I.C)	O.1.10
B729	(I.C)	O.1.11
B730	(I.C)	O.1.12
B731	(I.C)	O.1.13
B732	(I.C)	O.1.14
B733	(I.C)	O.1.15
B734	(I.C)	O.1.16
B735	(I.C)	O.1.17
B736	(I.C)	O.1.18
B737	(I.C)	O.1.19
B738	(I.C)	O.1.20
B739	(I.C)	O.1.21
B740	(I.C)	O.1.22

B	I	II
B741	(I.C)	O.1.23
B742	(I.C)	O.1.24
B743	(I.C)	O.1.25
B744	(I.C)	O.1.26
B745	(I.C)	O.1.27
B746	(I.C)	O.1.28
B747	(I.C)	O.1.29
B748	(I.C)	O.1.30
B749	(I.C)	O.1.31
B750	(I.C)	O.1.32
B751	(I.C)	O.1.33
B752	(I.C)	O.1.34
B753	(I.C)	O.1.35
B754	(I.C)	O.1.36
B755	(I.C)	O.1.37
B756	(I.C)	O.1.38
B757	(I.C)	O.1.39
B758	(I.C)	O.1.40
B759	(I.C)	O.1.41
B760	(I.C)	O.1.42
B761	(I.C)	O.1.43
B762	(I.C)	O.1.44

B	I	II
B763	(I.C)	O.1.45
B764	(I.C)	O.1.46
B765	(I.C)	O.1.47
B766	(I.C)	O.1.48
B767	(I.C)	O.1.49
B768	(I.C)	O.1.50
B769	(I.C)	O.1.51
B770	(I.C)	O.1.52
B771	(I.C)	O.1.53
B772	(I.C)	O.1.54
B773	(I.C)	O.1.55
B774	(I.C)	O.1.56
B775	(I.C)	O.1.57
B776	(I.C)	O.1.58
B777	(I.C)	O.1.59
B778	(I.C)	O.1.60
B779	(I.C)	O.1.61
B780	(I.C)	O.1.62
B781	(I.C)	O.1.63
B782	(I.C)	O.1.64
B783	(I.C)	O.1.65
B784	(I.C)	O.1.66

B	I	II
B785	(I.C)	O.1.67
B786	(I.C)	O.1.68
B787	(I.C)	O.1.69
B788	(I.C)	O.1.70
B789	(I.C)	O.1.71
B790	(I.C)	O.1.72
B791	(I.C)	O.1.73
B792	(I.C)	O.1.74
B793	(I.C)	O.1.75
B794	(I.C)	O.1.76
B795	(I.C)	O.1.77
B796	(I.C)	O.1.78
B797	(I.C)	O.1.79
B798	(I.C)	O.1.80
B799	(I.C)	O.1.81
B800	(I.C)	O.1.82
B801	(I.C)	O.1.83
B802	(I.C)	O.1.84
B803	(I.C)	O.1.85
B804	(I.C)	O.1.86
B805	(I.C)	O.1.87
B806	(I.C)	O.1.88
B807	(I.C)	O.1.89
B808	(I.C)	O.1.90
B809	(I.C)	O.1.91
B810	(I.C)	O.2.1
B811	(I.C)	O.2.2
B812	(I.C)	O.2.3
B813	(I.C)	O.2.4
B814	(I.C)	O.2.5
B815	(I.C)	O.2.6
B816	(I.C)	O.2.7
B817	(I.C)	O.3.1
B818	(I.C)	O.3.2
B819	(I.C)	O.3.3

B	I	II
B820	(I.C)	O.3.4
B821	(I.C)	O.3.5
B822	(I.C)	O.3.6
B823	(I.C)	O.3.7
B824	(I.C)	O.3.8
B825	(I.C)	O.3.9
B826	(I.C)	O.3.10
B827	(I.C)	O.3.11
B828	(I.C)	O.3.12
B829	(I.C)	O.3.13
B830	(I.C)	O.3.14
B831	(I.C)	O.3.15
B832	(I.C)	O.3.16
B833	(I.C)	O.3.17
B834	(I.C)	O.3.18
B835	(I.C)	O.3.19
B836	(I.C)	O.3.20
B837	(I.C)	O.3.21
B838	(I.C)	O.3.22
B839	(I.C)	O.3.23
B840	(I.C)	O.3.24
B841	(I.C)	O.3.25
B842	(I.C)	O.3.26
B843	(I.C)	O.3.27
B844	(I.C)	O.3.28
B845	(I.C)	O.3.29
B846	(I.C)	O.3.30
B847	(I.C)	O.3.31
B848	(I.C)	O.3.32
B849	(I.C)	O.3.33
B850	(I.C)	O.3.34
B851	(I.C)	O.3.35
B852	(I.C)	O.3.36
B853	(I.C)	O.3.37
B854	(I.C)	O.3.38

B	I	II
B855	(I.C)	O.3.39
B856	(I.C)	O.3.40
B857	(I.C)	O.3.41
B858	(I.C)	O.3.42
B859	(I.C)	O.3.43
B860	(I.C)	O.3.44
B861	(I.C)	O.3.45
B862	(I.C)	O.3.46
B863	(I.C)	O.3.47
B864	(I.C)	O.3.48
B865	(I.C)	O.3.49
B866	(I.C)	O.4.1
B867	(I.C)	O.4.2
B868	(I.C)	O.4.3
B869	(I.C)	O.4.4
B870	(I.C)	O.4.5
B871	(I.C)	O.4.6
B872	(I.C)	O.4.7
B873	(I.C)	O.4.8
B874	(I.C)	O.4.9
B875	(I.C)	O.4.10
B876	(I.C)	O.4.11
B877	(I.C)	O.4.12
B878	(I.C)	O.4.13
B879	(I.C)	O.4.14
B880	(I.C)	O.4.15
B881	(I.C)	O.5.1
B882	(I.C)	O.5.2
B883	(I.C)	O.6.1
B884	(I.C)	O.6.2
B885	(I.C)	O.6.3
B886	(I.C)	O.6.4
B887	(I.C)	O.6.5
B888	(I.C)	O.7.1
B889	(I.C)	O.7.2

B	I	II
B890	(I.C)	O.7.3
B891	(I.C)	O.7.4
B892	(I.C)	O.7.5
B893	(I.C)	O.8.1
B894	(I.C)	O.8.2
B895	(I.C)	O.8.3
B896	(I.C)	O.8.4
B897	(I.C)	O.8.5
B898	(I.C)	O.9.1
B899	(I.C)	O.9.2
B900	(I.C)	O.10.1
B901	(I.C)	O.10.2
B902	(I.C)	O.10.3
B903	(I.C)	O.10.4
B904	(I.C)	O.11
B905	(I.C)	O.12.1
B906	(I.C)	O.12.2
B907	(I.C)	O.12.3
B908	(I.C)	O.12.4
B909	(I.C)	O.12.5
B910	(I.C)	O.12.6
B911	(I.C)	O.13.1
B912	(I.C)	O.13.2
B913	(I.C)	O.13.3
B914	(I.C)	O.14.1
B915	(I.C)	O.14.2
B916	(I.C)	O.14.3
B917	(I.C)	O.14.4
B918	(I.C)	O.15.1
B919	(I.C)	O.15.2
B920	(I.C)	O.15.3
B921	(I.C)	O.15.4
B922	(I.C)	O.15.5
B923	(I.C)	O.15.6
B924	(I.C)	O.15.7

B	I	II
B925	(I.C)	O.15.8
B926	(I.C)	O.15.9
B927	(I.C)	O.15.10
B928	(I.C)	O.15.11
B929	(I.C)	O.16.1
B930	(I.C)	O.17.1
B931	(I.C)	O.18.1
B932	(I.C)	O.18.2
B933	(I.C)	O.18.3
B934	(I.C)	O.18.4
B935	(I.C)	O.18.5
B936	(I.C)	O.19.1
B937	(I.C)	O.20.1
B938	(I.C)	O.20.2
B939	(I.C)	O.20.3
B940	(I.C)	O.20.4
B941	(I.C)	O.21.1
B942	(I.C)	O.21.2
B943	(I.C)	O.21.3
B944	(I.C)	O.21.4
B945	(I.C)	O.21.5
B946	(I.C)	O.21.6
B947	(I.C)	O.21.7
B948	(I.C)	O.22.1
B949	(I.C)	O.22.2
B950	(I.C)	O.22.3
B951	(I.C)	O.22.4
B952	(I.C)	O.23.1
B953	(I.C)	O.23.2
B954	(I.C)	O.23.3
B955	(I.C)	O.23.4
B956	(I.C)	O.24.1
B957	(I.C)	O.24.2
B958	(I.C)	O.24.3
B959	(I.C)	O.24.4

B	I	II
B960	(I.C)	O.24.5
B961	(I.C)	O.25.1
B962	(I.C)	O.25.2
B963	(I.C)	O.26.1
B964	(I.C)	O.26.2
B965	(I.C)	O.26.3
B966	(I.C)	O.26.4
B967	(I.C)	O.26.5
B968	(I.C)	O.26.6
B969	(I.C)	O.26.7
B970	(I.C)	O.26.8
B971	(I.C)	O.26.9
B972	(I.C)	O.26.10
B973	(I.C)	O.26.11
B974	(I.C)	O.26.12
B975	(I.C)	O.26.13
B976	(I.C)	O.26.14
B977	(I.C)	O.26.15
B978	(I.C)	O.26.16
B979	(I.C)	O.26.17
B980	(I.C)	O.26.18
B981	(I.C)	O.27.1
B982	(I.C)	O.27.2
B983	(I.C)	O.27.3
B984	(I.C)	O.27.4
B985	(I.C)	O.27.5
B986	(I.C)	O.27.6
B987	(I.C)	O.27.7
B988	(I.C)	O.27.8
B989	(I.C)	O.27.9
B990	(I.C)	O.27.10
B991	(I.C)	O.27.11
B992	(I.C)	O.27.12
B993	(I.C)	O.27.13
B994	(I.C)	O.27.14

B	I	II
B995	(I.C)	O.27.15
B996	(I.C)	O.27.16
B997	(I.C)	O.27.17
B998	(I.C)	O.27.18
B999	(I.C)	O.27.19
B1000	(I.C)	O.27.20
B1001	(I.C)	O.27.21
B1002	(I.C)	O.27.22
B1003	(I.C)	O.27.23
B1004	(I.C)	O.27.24
B1005	(I.C)	O.27.25
B1006	(I.C)	O.27.26
B1007	(I.C)	O.27.27
B1008	(I.C)	O.27.28
B1009	(I.C)	O.27.29
B1010	(I.C)	O.27.30
B1011	(I.C)	O.27.31
B1012	(I.C)	O.27.32
B1013	(I.C)	O.27.33
B1014	(I.C)	O.27.34
B1015	(I.C)	O.27.35
B1016	(I.C)	O.27.36
B1017	(I.C)	O.27.37
B1018	(I.C)	O.27.38
B1019	(I.C)	O.27.42
B1020	(I.C)	O.27.43
B1021	(I.C)	O.27.44
B1022	(I.C)	O.27.45

B	I	II
B1023	(I.C)	O.27.46
B1024	(I.C)	O.27.47
B1025	(I.C)	O.27.48
B1026	(I.C)	O.27.49
B1027	(I.C)	O.27.50
B1028	(I.C)	O.27.51
B1029	(I.C)	O.27.52
B1030	(I.C)	O.27.53
B1031	(I.C)	O.27.54
B1032	(I.C)	O.27.55
B1033	(I.C)	O.27.56
B1034	(I.C)	O.27.57
B1035	(I.C)	O.27.58
B1036	(I.C)	O.27.59
B1037	(I.C)	O.27.60
B1038	(I.C)	O.27.61
B1039	(I.C)	O.27.62
B1040	(I.C)	O.27.63
B1041	(I.C)	O.27.64
B1042	(I.C)	O.27.65
B1043	(I.C)	O.27.66
B1044	(I.C)	O.27.67
B1045	(I.C)	O.27.68
B1046	(I.C)	O.27.69
B1047	(I.C)	O.27.70
B1048	(I.C)	O.27.71
B1049	(I.C)	O.27.72
B1050	(I.C)	O.27.73

B	I	II
B1051	(I.C)	O.27.74
B1052	(I.C)	O.27.75
B1053	(I.C)	O.27.76
B1054	(I.C)	O.27.77
B1055	(I.C)	O.27.78
B1056	(I.C)	O.27.79
B1057	(I.C)	O.27.80
B1058	(I.C)	O.27.81
B1059	(I.C)	O.27.82
B1060	(I.C)	O.27.83
B1061	(I.C)	O.27.84
B1062	(I.C)	O.27.85
B1063	(I.C)	O.27.86
B1064	(I.C)	O.27.87
B1065	(I.C)	O.27.88
B1066	(I.C)	O.27.89
B1067	(I.C)	O.27.90
B1068	(I.C)	O.27.91
B1069	(I.C)	O.27.92
B1070	(I.C)	O.27.93
B1071	(I.C)	O.27.94
B1072	(I.C)	O.27.95
B1073	(I.C)	O.27.96
B1074	(I.C)	O.27.97
B1075	(I.C)	O.27.98
B1076	(I.C)	O.27.99
B1077	(I.C)	O.29.1

Table 4:

B = Mixture; I = compound I; II = compound II

B	I	II
B1078	(I.D)	O.1.1
B1079	(I.D)	O.1.2

B	I	II
B1080	(I.D)	O.1.3
B1081	(I.D)	O.1.4

B	I	II
B1082	(I.D)	O.1.5
B1083	(I.D)	O.1.6

B	I	II
B1084	(I.D)	O.1.7
B1085	(I.D)	O.1.8
B1086	(I.D)	O.1.9
B1087	(I.D)	O.1.10
B1088	(I.D)	O.1.11
B1089	(I.D)	O.1.12
B1090	(I.D)	O.1.13
B1091	(I.D)	O.1.14
B1092	(I.D)	O.1.15
B1093	(I.D)	O.1.16
B1094	(I.D)	O.1.17
B1095	(I.D)	O.1.18
B1096	(I.D)	O.1.19
B1097	(I.D)	O.1.20
B1098	(I.D)	O.1.21
B1099	(I.D)	O.1.22
B1100	(I.D)	O.1.23
B1101	(I.D)	O.1.24
B1102	(I.D)	O.1.25
B1103	(I.D)	O.1.26
B1104	(I.D)	O.1.27
B1105	(I.D)	O.1.28
B1106	(I.D)	O.1.29
B1107	(I.D)	O.1.30
B1108	(I.D)	O.1.31
B1109	(I.D)	O.1.32
B1110	(I.D)	O.1.33
B1111	(I.D)	O.1.34
B1112	(I.D)	O.1.35
B1113	(I.D)	O.1.36
B1114	(I.D)	O.1.37
B1115	(I.D)	O.1.38
B1116	(I.D)	O.1.39
B1117	(I.D)	O.1.40
B1118	(I.D)	O.1.41

B	I	II
B1119	(I.D)	O.1.42
B1120	(I.D)	O.1.43
B1121	(I.D)	O.1.44
B1122	(I.D)	O.1.45
B1123	(I.D)	O.1.46
B1124	(I.D)	O.1.47
B1125	(I.D)	O.1.48
B1126	(I.D)	O.1.49
B1127	(I.D)	O.1.50
B1128	(I.D)	O.1.51
B1129	(I.D)	O.1.52
B1130	(I.D)	O.1.53
B1131	(I.D)	O.1.54
B1132	(I.D)	O.1.55
B1133	(I.D)	O.1.56
B1134	(I.D)	O.1.57
B1135	(I.D)	O.1.58
B1136	(I.D)	O.1.59
B1137	(I.D)	O.1.60
B1138	(I.D)	O.1.61
B1139	(I.D)	O.1.62
B1140	(I.D)	O.1.63
B1141	(I.D)	O.1.64
B1142	(I.D)	O.1.65
B1143	(I.D)	O.1.66
B1144	(I.D)	O.1.67
B1145	(I.D)	O.1.68
B1146	(I.D)	O.1.69
B1147	(I.D)	O.1.70
B1148	(I.D)	O.1.71
B1149	(I.D)	O.1.72
B1150	(I.D)	O.1.73
B1151	(I.D)	O.1.74
B1152	(I.D)	O.1.75
B1153	(I.D)	O.1.76

B	I	II
B1154	(I.D)	O.1.77
B1155	(I.D)	O.1.78
B1156	(I.D)	O.1.79
B1157	(I.D)	O.1.80
B1158	(I.D)	O.1.81
B1159	(I.D)	O.1.82
B1160	(I.D)	O.1.83
B1161	(I.D)	O.1.84
B1162	(I.D)	O.1.85
B1163	(I.D)	O.1.86
B1164	(I.D)	O.1.87
B1165	(I.D)	O.1.88
B1166	(I.D)	O.1.89
B1167	(I.D)	O.1.90
B1168	(I.D)	O.1.91
B1169	(I.D)	O.2.1
B1170	(I.D)	O.2.2
B1171	(I.D)	O.2.3
B1172	(I.D)	O.2.4
B1173	(I.D)	O.2.5
B1174	(I.D)	O.2.6
B1175	(I.D)	O.2.7
B1176	(I.D)	O.3.1
B1177	(I.D)	O.3.2
B1178	(I.D)	O.3.3
B1179	(I.D)	O.3.4
B1180	(I.D)	O.3.5
B1181	(I.D)	O.3.6
B1182	(I.D)	O.3.7
B1183	(I.D)	O.3.8
B1184	(I.D)	O.3.9
B1185	(I.D)	O.3.10
B1186	(I.D)	O.3.11
B1187	(I.D)	O.3.12
B1188	(I.D)	O.3.13

B	I	II
B1189	(I.D)	O.3.14
B1190	(I.D)	O.3.15
B1191	(I.D)	O.3.16
B1192	(I.D)	O.3.17
B1193	(I.D)	O.3.18
B1194	(I.D)	O.3.19
B1195	(I.D)	O.3.20
B1196	(I.D)	O.3.21
B1197	(I.D)	O.3.22
B1198	(I.D)	O.3.23
B1199	(I.D)	O.3.24
B1200	(I.D)	O.3.25
B1201	(I.D)	O.3.26
B1202	(I.D)	O.3.27
B1203	(I.D)	O.3.28
B1204	(I.D)	O.3.29
B1205	(I.D)	O.3.30
B1206	(I.D)	O.3.31
B1207	(I.D)	O.3.32
B1208	(I.D)	O.3.33
B1209	(I.D)	O.3.34
B1210	(I.D)	O.3.35
B1211	(I.D)	O.3.36
B1212	(I.D)	O.3.37
B1213	(I.D)	O.3.38
B1214	(I.D)	O.3.39
B1215	(I.D)	O.3.40
B1216	(I.D)	O.3.41
B1217	(I.D)	O.3.42
B1218	(I.D)	O.3.43
B1219	(I.D)	O.3.44
B1220	(I.D)	O.3.45
B1221	(I.D)	O.3.46
B1222	(I.D)	O.3.47
B1223	(I.D)	O.3.48

B	I	II
B1224	(I.D)	O.3.49
B1225	(I.D)	O.4.1
B1226	(I.D)	O.4.2
B1227	(I.D)	O.4.3
B1228	(I.D)	O.4.4
B1229	(I.D)	O.4.5
B1230	(I.D)	O.4.6
B1231	(I.D)	O.4.7
B1232	(I.D)	O.4.8
B1233	(I.D)	O.4.9
B1234	(I.D)	O.4.10
B1235	(I.D)	O.4.11
B1236	(I.D)	O.4.12
B1237	(I.D)	O.4.13
B1238	(I.D)	O.4.14
B1239	(I.D)	O.4.15
B1240	(I.D)	O.5.1
B1241	(I.D)	O.5.2
B1242	(I.D)	O.6.1
B1243	(I.D)	O.6.2
B1244	(I.D)	O.6.3
B1245	(I.D)	O.6.4
B1246	(I.D)	O.6.5
B1247	(I.D)	O.7.1
B1248	(I.D)	O.7.2
B1249	(I.D)	O.7.3
B1250	(I.D)	O.7.4
B1251	(I.D)	O.7.5
B1252	(I.D)	O.8.1
B1253	(I.D)	O.8.2
B1254	(I.D)	O.8.3
B1255	(I.D)	O.8.4
B1256	(I.D)	O.8.5
B1257	(I.D)	O.9.1
B1258	(I.D)	O.9.2

B	I	II
B1259	(I.D)	O.10.1
B1260	(I.D)	O.10.2
B1261	(I.D)	O.10.3
B1262	(I.D)	O.10.4
B1263	(I.D)	O.11
B1264	(I.D)	O.12.1
B1265	(I.D)	O.12.2
B1266	(I.D)	O.12.3
B1267	(I.D)	O.12.4
B1268	(I.D)	O.12.5
B1269	(I.D)	O.12.6
B1270	(I.D)	O.13.1
B1271	(I.D)	O.13.2
B1272	(I.D)	O.13.3
B1273	(I.D)	O.14.1
B1274	(I.D)	O.14.2
B1275	(I.D)	O.14.3
B1276	(I.D)	O.14.4
B1277	(I.D)	O.15.1
B1278	(I.D)	O.15.2
B1279	(I.D)	O.15.3
B1280	(I.D)	O.15.4
B1281	(I.D)	O.15.5
B1282	(I.D)	O.15.6
B1283	(I.D)	O.15.7
B1284	(I.D)	O.15.8
B1285	(I.D)	O.15.9
B1286	(I.D)	O.15.10
B1287	(I.D)	O.15.11
B1288	(I.D)	O.16.1
B1289	(I.D)	O.17.1
B1290	(I.D)	O.18.1
B1291	(I.D)	O.18.2
B1292	(I.D)	O.18.3
B1293	(I.D)	O.18.4

B	I	II
B1294	(I.D)	O.18.5
B1295	(I.D)	O.19.1
B1296	(I.D)	O.20.1
B1297	(I.D)	O.20.2
B1298	(I.D)	O.20.3
B1299	(I.D)	O.20.4
B1300	(I.D)	O.21.1
B1301	(I.D)	O.21.2
B1302	(I.D)	O.21.3
B1303	(I.D)	O.21.4
B1304	(I.D)	O.21.5
B1305	(I.D)	O.21.6
B1306	(I.D)	O.21.7
B1307	(I.D)	O.22.1
B1308	(I.D)	O.22.2
B1309	(I.D)	O.22.3
B1310	(I.D)	O.22.4
B1311	(I.D)	O.23.1
B1312	(I.D)	O.23.2
B1313	(I.D)	O.23.3
B1314	(I.D)	O.23.4
B1315	(I.D)	O.24.1
B1316	(I.D)	O.24.2
B1317	(I.D)	O.24.3
B1318	(I.D)	O.24.4
B1319	(I.D)	O.24.5
B1320	(I.D)	O.25.1
B1321	(I.D)	O.25.2
B1322	(I.D)	O.26.1
B1323	(I.D)	O.26.2
B1324	(I.D)	O.26.3
B1325	(I.D)	O.26.4
B1326	(I.D)	O.26.5
B1327	(I.D)	O.26.6
B1328	(I.D)	O.26.7

B	I	II
B1329	(I.D)	O.26.8
B1330	(I.D)	O.26.9
B1331	(I.D)	O.26.10
B1332	(I.D)	O.26.11
B1333	(I.D)	O.26.12
B1334	(I.D)	O.26.13
B1335	(I.D)	O.26.14
B1336	(I.D)	O.26.15
B1337	(I.D)	O.26.16
B1338	(I.D)	O.26.17
B1339	(I.D)	O.26.18
B1340	(I.D)	O.27.1
B1341	(I.D)	O.27.2
B1342	(I.D)	O.27.3
B1343	(I.D)	O.27.4
B1344	(I.D)	O.27.5
B1345	(I.D)	O.27.6
B1346	(I.D)	O.27.7
B1347	(I.D)	O.27.8
B1348	(I.D)	O.27.9
B1349	(I.D)	O.27.10
B1350	(I.D)	O.27.11
B1351	(I.D)	O.27.12
B1352	(I.D)	O.27.13
B1353	(I.D)	O.27.14
B1354	(I.D)	O.27.15
B1355	(I.D)	O.27.16
B1356	(I.D)	O.27.17
B1357	(I.D)	O.27.18
B1358	(I.D)	O.27.19
B1359	(I.D)	O.27.20
B1360	(I.D)	O.27.21
B1361	(I.D)	O.27.22
B1362	(I.D)	O.27.23
B1363	(I.D)	O.27.24

B	I	II
B1364	(I.D)	O.27.25
B1365	(I.D)	O.27.26
B1366	(I.D)	O.27.27
B1367	(I.D)	O.27.28
B1368	(I.D)	O.27.29
B1369	(I.D)	O.27.30
B1370	(I.D)	O.27.31
B1371	(I.D)	O.27.32
B1372	(I.D)	O.27.33
B1373	(I.D)	O.27.34
B1374	(I.D)	O.27.35
B1375	(I.D)	O.27.36
B1376	(I.D)	O.27.37
B1377	(I.D)	O.27.38
B1378	(I.D)	O.27.42
B1379	(I.D)	O.27.43
B1380	(I.D)	O.27.44
B1381	(I.D)	O.27.45
B1382	(I.D)	O.27.46
B1383	(I.D)	O.27.47
B1384	(I.D)	O.27.48
B1385	(I.D)	O.27.49
B1386	(I.D)	O.27.50
B1387	(I.D)	O.27.51
B1388	(I.D)	O.27.52
B1389	(I.D)	O.27.53
B1390	(I.D)	O.27.54
B1391	(I.D)	O.27.55
B1392	(I.D)	O.27.56
B1393	(I.D)	O.27.57
B1394	(I.D)	O.27.58
B1395	(I.D)	O.27.59
B1396	(I.D)	O.27.60
B1397	(I.D)	O.27.61
B1398	(I.D)	O.27.62

B	I	II
B1399	(I.D)	O.27.63
B1400	(I.D)	O.27.64
B1401	(I.D)	O.27.65
B1402	(I.D)	O.27.66
B1403	(I.D)	O.27.67
B1404	(I.D)	O.27.68
B1405	(I.D)	O.27.69
B1406	(I.D)	O.27.70
B1407	(I.D)	O.27.71
B1408	(I.D)	O.27.72
B1409	(I.D)	O.27.73
B1410	(I.D)	O.27.74
B1411	(I.D)	O.27.75

B	I	II
B1412	(I.D)	O.27.76
B1413	(I.D)	O.27.77
B1414	(I.D)	O.27.78
B1415	(I.D)	O.27.79
B1416	(I.D)	O.27.80
B1417	(I.D)	O.27.81
B1418	(I.D)	O.27.82
B1419	(I.D)	O.27.83
B1420	(I.D)	O.27.84
B1421	(I.D)	O.27.85
B1422	(I.D)	O.27.86
B1423	(I.D)	O.27.87
B1424	(I.D)	O.27.88

B	I	II
B1425	(I.D)	O.27.89
B1426	(I.D)	O.27.90
B1427	(I.D)	O.27.91
B1428	(I.D)	O.27.92
B1429	(I.D)	O.27.93
B1430	(I.D)	O.27.94
B1431	(I.D)	O.27.95
B1432	(I.D)	O.27.96
B1433	(I.D)	O.27.97
B1434	(I.D)	O.27.98
B1435	(I.D)	O.27.99
B1436	(I.D)	O.29.1

Table 5:

B = Mixture; I = compound I; II = compound II

B	I	II
B1437	(I.E)	O.1.1
B1438	(I.E)	O.1.2
B1439	(I.E)	O.1.3
B1440	(I.E)	O.1.4
B1441	(I.E)	O.1.5
B1442	(I.E)	O.1.6
B1443	(I.E)	O.1.7
B1444	(I.E)	O.1.8
B1445	(I.E)	O.1.9
B1446	(I.E)	O.1.10
B1447	(I.E)	O.1.11
B1448	(I.E)	O.1.12
B1449	(I.E)	O.1.13
B1450	(I.E)	O.1.14
B1451	(I.E)	O.1.15
B1452	(I.E)	O.1.16
B1453	(I.E)	O.1.17

B	I	II
B1454	(I.E)	O.1.18
B1455	(I.E)	O.1.19
B1456	(I.E)	O.1.20
B1457	(I.E)	O.1.21
B1458	(I.E)	O.1.22
B1459	(I.E)	O.1.23
B1460	(I.E)	O.1.24
B1461	(I.E)	O.1.25
B1462	(I.E)	O.1.26
B1463	(I.E)	O.1.27
B1464	(I.E)	O.1.28
B1465	(I.E)	O.1.29
B1466	(I.E)	O.1.30
B1467	(I.E)	O.1.31
B1468	(I.E)	O.1.32
B1469	(I.E)	O.1.33
B1470	(I.E)	O.1.34

B	I	II
B1471	(I.E)	O.1.35
B1472	(I.E)	O.1.36
B1473	(I.E)	O.1.37
B1474	(I.E)	O.1.38
B1475	(I.E)	O.1.39
B1476	(I.E)	O.1.40
B1477	(I.E)	O.1.41
B1478	(I.E)	O.1.42
B1479	(I.E)	O.1.43
B1480	(I.E)	O.1.44
B1481	(I.E)	O.1.45
B1482	(I.E)	O.1.46
B1483	(I.E)	O.1.47
B1484	(I.E)	O.1.48
B1485	(I.E)	O.1.49
B1486	(I.E)	O.1.50
B1487	(I.E)	O.1.51

B	I	II
B1488	(I.E)	O.1.52
B1489	(I.E)	O.1.53
B1490	(I.E)	O.1.54
B1491	(I.E)	O.1.55
B1492	(I.E)	O.1.56
B1493	(I.E)	O.1.57
B1494	(I.E)	O.1.58
B1495	(I.E)	O.1.59
B1496	(I.E)	O.1.60
B1497	(I.E)	O.1.61
B1498	(I.E)	O.1.62
B1499	(I.E)	O.1.63
B1500	(I.E)	O.1.64
B1501	(I.E)	O.1.65
B1502	(I.E)	O.1.66
B1503	(I.E)	O.1.67
B1504	(I.E)	O.1.68
B1505	(I.E)	O.1.69
B1506	(I.E)	O.1.70
B1507	(I.E)	O.1.71
B1508	(I.E)	O.1.72
B1509	(I.E)	O.1.73
B1510	(I.E)	O.1.74
B1511	(I.E)	O.1.75
B1512	(I.E)	O.1.76
B1513	(I.E)	O.1.77
B1514	(I.E)	O.1.78
B1515	(I.E)	O.1.79
B1516	(I.E)	O.1.80
B1517	(I.E)	O.1.81
B1518	(I.E)	O.1.82
B1519	(I.E)	O.1.83
B1520	(I.E)	O.1.84
B1521	(I.E)	O.1.85
B1522	(I.E)	O.1.86

B	I	II
B1523	(I.E)	O.1.87
B1524	(I.E)	O.1.88
B1525	(I.E)	O.1.89
B1526	(I.E)	O.1.90
B1527	(I.E)	O.1.91
B1528	(I.E)	O.2.1
B1529	(I.E)	O.2.2
B1530	(I.E)	O.2.3
B1531	(I.E)	O.2.4
B1532	(I.E)	O.2.5
B1533	(I.E)	O.2.6
B1534	(I.E)	O.2.7
B1535	(I.E)	O.3.1
B1536	(I.E)	O.3.2
B1537	(I.E)	O.3.3
B1538	(I.E)	O.3.4
B1539	(I.E)	O.3.5
B1540	(I.E)	O.3.6
B1541	(I.E)	O.3.7
B1542	(I.E)	O.3.8
B1543	(I.E)	O.3.9
B1544	(I.E)	O.3.10
B1545	(I.E)	O.3.11
B1546	(I.E)	O.3.12
B1547	(I.E)	O.3.13
B1548	(I.E)	O.3.14
B1549	(I.E)	O.3.15
B1550	(I.E)	O.3.16
B1551	(I.E)	O.3.17
B1552	(I.E)	O.3.18
B1553	(I.E)	O.3.19
B1554	(I.E)	O.3.20
B1555	(I.E)	O.3.21
B1556	(I.E)	O.3.22
B1557	(I.E)	O.3.23

B	I	II
B1558	(I.E)	O.3.24
B1559	(I.E)	O.3.25
B1560	(I.E)	O.3.26
B1561	(I.E)	O.3.27
B1562	(I.E)	O.3.28
B1563	(I.E)	O.3.29
B1564	(I.E)	O.3.30
B1565	(I.E)	O.3.31
B1566	(I.E)	O.3.32
B1567	(I.E)	O.3.33
B1568	(I.E)	O.3.34
B1569	(I.E)	O.3.35
B1570	(I.E)	O.3.36
B1571	(I.E)	O.3.37
B1572	(I.E)	O.3.38
B1573	(I.E)	O.3.39
B1574	(I.E)	O.3.40
B1575	(I.E)	O.3.41
B1576	(I.E)	O.3.42
B1577	(I.E)	O.3.43
B1578	(I.E)	O.3.44
B1579	(I.E)	O.3.45
B1580	(I.E)	O.3.46
B1581	(I.E)	O.3.47
B1582	(I.E)	O.3.48
B1583	(I.E)	O.3.49
B1584	(I.E)	O.4.1
B1585	(I.E)	O.4.2
B1586	(I.E)	O.4.3
B1587	(I.E)	O.4.4
B1588	(I.E)	O.4.5
B1589	(I.E)	O.4.6
B1590	(I.E)	O.4.7
B1591	(I.E)	O.4.8
B1592	(I.E)	O.4.9

B	I	II
B1593	(I.E)	O.4.10
B1594	(I.E)	O.4.11
B1595	(I.E)	O.4.12
B1596	(I.E)	O.4.13
B1597	(I.E)	O.4.14
B1598	(I.E)	O.4.15
B1599	(I.E)	O.5.1
B1600	(I.E)	O.5.2
B1601	(I.E)	O.6.1
B1602	(I.E)	O.6.2
B1603	(I.E)	O.6.3
B1604	(I.E)	O.6.4
B1605	(I.E)	O.6.5
B1606	(I.E)	O.7.1
B1607	(I.E)	O.7.2
B1608	(I.E)	O.7.3
B1609	(I.E)	O.7.4
B1610	(I.E)	O.7.5
B1611	(I.E)	O.8.1
B1612	(I.E)	O.8.2
B1613	(I.E)	O.8.3
B1614	(I.E)	O.8.4
B1615	(I.E)	O.8.5
B1616	(I.E)	O.9.1
B1617	(I.E)	O.9.2
B1618	(I.E)	O.10.1
B1619	(I.E)	O.10.2
B1620	(I.E)	O.10.3
B1621	(I.E)	O.10.4
B1622	(I.E)	O.11
B1623	(I.E)	O.12.1
B1624	(I.E)	O.12.2
B1625	(I.E)	O.12.3
B1626	(I.E)	O.12.4
B1627	(I.E)	O.12.5

B	I	II
B1628	(I.E)	O.12.6
B1629	(I.E)	O.13.1
B1630	(I.E)	O.13.2
B1631	(I.E)	O.13.3
B1632	(I.E)	O.14.1
B1633	(I.E)	O.14.2
B1634	(I.E)	O.14.3
B1635	(I.E)	O.14.4
B1636	(I.E)	O.15.1
B1637	(I.E)	O.15.2
B1638	(I.E)	O.15.3
B1639	(I.E)	O.15.4
B1640	(I.E)	O.15.5
B1641	(I.E)	O.15.6
B1642	(I.E)	O.15.7
B1643	(I.E)	O.15.8
B1644	(I.E)	O.15.9
B1645	(I.E)	O.15.10
B1646	(I.E)	O.15.11
B1647	(I.E)	O.16.1
B1648	(I.E)	O.17.1
B1649	(I.E)	O.18.1
B1650	(I.E)	O.18.2
B1651	(I.E)	O.18.3
B1652	(I.E)	O.18.4
B1653	(I.E)	O.18.5
B1654	(I.E)	O.19.1
B1655	(I.E)	O.20.1
B1656	(I.E)	O.20.2
B1657	(I.E)	O.20.3
B1658	(I.E)	O.20.4
B1659	(I.E)	O.21.1
B1660	(I.E)	O.21.2
B1661	(I.E)	O.21.3
B1662	(I.E)	O.21.4

B	I	II
B1663	(I.E)	O.21.5
B1664	(I.E)	O.21.6
B1665	(I.E)	O.21.7
B1666	(I.E)	O.22.1
B1667	(I.E)	O.22.2
B1668	(I.E)	O.22.3
B1669	(I.E)	O.22.4
B1670	(I.E)	O.23.1
B1671	(I.E)	O.23.2
B1672	(I.E)	O.23.3
B1673	(I.E)	O.23.4
B1674	(I.E)	O.24.1
B1675	(I.E)	O.24.2
B1676	(I.E)	O.24.3
B1677	(I.E)	O.24.4
B1678	(I.E)	O.24.5
B1679	(I.E)	O.25.1
B1680	(I.E)	O.25.2
B1681	(I.E)	O.26.1
B1682	(I.E)	O.26.2
B1683	(I.E)	O.26.3
B1684	(I.E)	O.26.4
B1685	(I.E)	O.26.5
B1686	(I.E)	O.26.6
B1687	(I.E)	O.26.7
B1688	(I.E)	O.26.8
B1689	(I.E)	O.26.9
B1690	(I.E)	O.26.10
B1691	(I.E)	O.26.11
B1692	(I.E)	O.26.12
B1693	(I.E)	O.26.13
B1694	(I.E)	O.26.14
B1695	(I.E)	O.26.15
B1696	(I.E)	O.26.16
B1697	(I.E)	O.26.17

B	I	II
B1698	(I.E)	O.26.18
B1699	(I.E)	O.27.1
B1700	(I.E)	O.27.2
B1701	(I.E)	O.27.3
B1702	(I.E)	O.27.4
B1703	(I.E)	O.27.5
B1704	(I.E)	O.27.6
B1705	(I.E)	O.27.7
B1706	(I.E)	O.27.8
B1707	(I.E)	O.27.9
B1708	(I.E)	O.27.10
B1709	(I.E)	O.27.11
B1710	(I.E)	O.27.12
B1711	(I.E)	O.27.13
B1712	(I.E)	O.27.14
B1713	(I.E)	O.27.15
B1714	(I.E)	O.27.16
B1715	(I.E)	O.27.17
B1716	(I.E)	O.27.18
B1717	(I.E)	O.27.19
B1718	(I.E)	O.27.20
B1719	(I.E)	O.27.21
B1720	(I.E)	O.27.22
B1721	(I.E)	O.27.23
B1722	(I.E)	O.27.24
B1723	(I.E)	O.27.25
B1724	(I.E)	O.27.26
B1725	(I.E)	O.27.27
B1726	(I.E)	O.27.28
B1727	(I.E)	O.27.29
B1728	(I.E)	O.27.30
B1729	(I.E)	O.27.31
B1730	(I.E)	O.27.32

B	I	II
B1731	(I.E)	O.27.33
B1732	(I.E)	O.27.34
B1733	(I.E)	O.27.35
B1734	(I.E)	O.27.36
B1735	(I.E)	O.27.37
B1736	(I.E)	O.27.38
B1737	(I.E)	O.27.42
B1738	(I.E)	O.27.43
B1739	(I.E)	O.27.44
B1740	(I.E)	O.27.45
B1741	(I.E)	O.27.46
B1742	(I.E)	O.27.47
B1743	(I.E)	O.27.48
B1744	(I.E)	O.27.49
B1745	(I.E)	O.27.50
B1746	(I.E)	O.27.51
B1747	(I.E)	O.27.52
B1748	(I.E)	O.27.53
B1749	(I.E)	O.27.54
B1750	(I.E)	O.27.55
B1751	(I.E)	O.27.56
B1752	(I.E)	O.27.57
B1753	(I.E)	O.27.58
B1754	(I.E)	O.27.59
B1755	(I.E)	O.27.60
B1756	(I.E)	O.27.61
B1757	(I.E)	O.27.62
B1758	(I.E)	O.27.63
B1759	(I.E)	O.27.64
B1760	(I.E)	O.27.65
B1761	(I.E)	O.27.66
B1762	(I.E)	O.27.67
B1763	(I.E)	O.27.68

B	I	II
B1764	(I.E)	O.27.69
B1765	(I.E)	O.27.70
B1766	(I.E)	O.27.71
B1767	(I.E)	O.27.72
B1768	(I.E)	O.27.73
B1769	(I.E)	O.27.74
B1770	(I.E)	O.27.75
B1771	(I.E)	O.27.76
B1772	(I.E)	O.27.77
B1773	(I.E)	O.27.78
B1774	(I.E)	O.27.79
B1775	(I.E)	O.27.80
B1776	(I.E)	O.27.81
B1777	(I.E)	O.27.82
B1778	(I.E)	O.27.83
B1779	(I.E)	O.27.84
B1780	(I.E)	O.27.85
B1781	(I.E)	O.27.86
B1782	(I.E)	O.27.87
B1783	(I.E)	O.27.88
B1784	(I.E)	O.27.89
B1785	(I.E)	O.27.90
B1786	(I.E)	O.27.91
B1787	(I.E)	O.27.92
B1788	(I.E)	O.27.93
B1789	(I.E)	O.27.94
B1790	(I.E)	O.27.95
B1791	(I.E)	O.27.96
B1792	(I.E)	O.27.97
B1793	(I.E)	O.27.98
B1794	(I.E)	O.27.99
B1795	(I.E)	O.29.1

Table 6:

B = Mixture; I = compound I; II = compound II

B	I	II
B1796	(I.F)	O.1.1
B1797	(I.F)	O.1.2
B1798	(I.F)	O.1.3
B1799	(I.F)	O.1.4
B1800	(I.F)	O.1.5
B1801	(I.F)	O.1.6
B1802	(I.F)	O.1.7
B1803	(I.F)	O.1.8
B1804	(I.F)	O.1.9
B1805	(I.F)	O.1.10
B1806	(I.F)	O.1.11
B1807	(I.F)	O.1.12
B1808	(I.F)	O.1.13
B1809	(I.F)	O.1.14
B1810	(I.F)	O.1.15
B1811	(I.F)	O.1.16
B1812	(I.F)	O.1.17
B1813	(I.F)	O.1.18
B1814	(I.F)	O.1.19
B1815	(I.F)	O.1.20
B1816	(I.F)	O.1.21
B1817	(I.F)	O.1.22
B1818	(I.F)	O.1.23
B1819	(I.F)	O.1.24
B1820	(I.F)	O.1.25
B1821	(I.F)	O.1.26
B1822	(I.F)	O.1.27
B1823	(I.F)	O.1.28
B1824	(I.F)	O.1.29
B1825	(I.F)	O.1.30
B1826	(I.F)	O.1.31
B1827	(I.F)	O.1.32
B1828	(I.F)	O.1.33
B1829	(I.F)	O.1.34

B	I	II
B1830	(I.F)	O.1.35
B1831	(I.F)	O.1.36
B1832	(I.F)	O.1.37
B1833	(I.F)	O.1.38
B1834	(I.F)	O.1.39
B1835	(I.F)	O.1.40
B1836	(I.F)	O.1.41
B1837	(I.F)	O.1.42
B1838	(I.F)	O.1.43
B1839	(I.F)	O.1.44
B1840	(I.F)	O.1.45
B1841	(I.F)	O.1.46
B1842	(I.F)	O.1.47
B1843	(I.F)	O.1.48
B1844	(I.F)	O.1.49
B1845	(I.F)	O.1.50
B1846	(I.F)	O.1.51
B1847	(I.F)	O.1.52
B1848	(I.F)	O.1.53
B1849	(I.F)	O.1.54
B1850	(I.F)	O.1.55
B1851	(I.F)	O.1.56
B1852	(I.F)	O.1.57
B1853	(I.F)	O.1.58
B1854	(I.F)	O.1.59
B1855	(I.F)	O.1.60
B1856	(I.F)	O.1.61
B1857	(I.F)	O.1.62
B1858	(I.F)	O.1.63
B1859	(I.F)	O.1.64
B1860	(I.F)	O.1.65
B1861	(I.F)	O.1.66
B1862	(I.F)	O.1.67
B1863	(I.F)	O.1.68

B	I	II
B1864	(I.F)	O.1.69
B1865	(I.F)	O.1.70
B1866	(I.F)	O.1.71
B1867	(I.F)	O.1.72
B1868	(I.F)	O.1.73
B1869	(I.F)	O.1.74
B1870	(I.F)	O.1.75
B1871	(I.F)	O.1.76
B1872	(I.F)	O.1.77
B1873	(I.F)	O.1.78
B1874	(I.F)	O.1.79
B1875	(I.F)	O.1.80
B1876	(I.F)	O.1.81
B1877	(I.F)	O.1.82
B1878	(I.F)	O.1.83
B1879	(I.F)	O.1.84
B1880	(I.F)	O.1.85
B1881	(I.F)	O.1.86
B1882	(I.F)	O.1.87
B1883	(I.F)	O.1.88
B1884	(I.F)	O.1.89
B1885	(I.F)	O.1.90
B1886	(I.F)	O.1.91
B1887	(I.F)	O.2.1
B1888	(I.F)	O.2.2
B1889	(I.F)	O.2.3
B1890	(I.F)	O.2.4
B1891	(I.F)	O.2.5
B1892	(I.F)	O.2.6
B1893	(I.F)	O.2.7
B1894	(I.F)	O.3.1
B1895	(I.F)	O.3.2
B1896	(I.F)	O.3.3
B1897	(I.F)	O.3.4

B	I	II
B1898	(I.F)	O.3.5
B1899	(I.F)	O.3.6
B1900	(I.F)	O.3.7
B1901	(I.F)	O.3.8
B1902	(I.F)	O.3.9
B1903	(I.F)	O.3.10
B1904	(I.F)	O.3.11
B1905	(I.F)	O.3.12
B1906	(I.F)	O.3.13
B1907	(I.F)	O.3.14
B1908	(I.F)	O.3.15
B1909	(I.F)	O.3.16
B1910	(I.F)	O.3.17
B1911	(I.F)	O.3.18
B1912	(I.F)	O.3.19
B1913	(I.F)	O.3.20
B1914	(I.F)	O.3.21
B1915	(I.F)	O.3.22
B1916	(I.F)	O.3.23
B1917	(I.F)	O.3.24
B1918	(I.F)	O.3.25
B1919	(I.F)	O.3.26
B1920	(I.F)	O.3.27
B1921	(I.F)	O.3.28
B1922	(I.F)	O.3.29
B1923	(I.F)	O.3.30
B1924	(I.F)	O.3.31
B1925	(I.F)	O.3.32
B1926	(I.F)	O.3.33
B1927	(I.F)	O.3.34
B1928	(I.F)	O.3.35
B1929	(I.F)	O.3.36
B1930	(I.F)	O.3.37
B1931	(I.F)	O.3.38
B1932	(I.F)	O.3.39

B	I	II
B1933	(I.F)	O.3.40
B1934	(I.F)	O.3.41
B1935	(I.F)	O.3.42
B1936	(I.F)	O.3.43
B1937	(I.F)	O.3.44
B1938	(I.F)	O.3.45
B1939	(I.F)	O.3.46
B1940	(I.F)	O.3.47
B1941	(I.F)	O.3.48
B1942	(I.F)	O.3.49
B1943	(I.F)	O.4.1
B1944	(I.F)	O.4.2
B1945	(I.F)	O.4.3
B1946	(I.F)	O.4.4
B1947	(I.F)	O.4.5
B1948	(I.F)	O.4.6
B1949	(I.F)	O.4.7
B1950	(I.F)	O.4.8
B1951	(I.F)	O.4.9
B1952	(I.F)	O.4.10
B1953	(I.F)	O.4.11
B1954	(I.F)	O.4.12
B1955	(I.F)	O.4.13
B1956	(I.F)	O.4.14
B1957	(I.F)	O.4.15
B1958	(I.F)	O.5.1
B1959	(I.F)	O.5.2
B1960	(I.F)	O.6.1
B1961	(I.F)	O.6.2
B1962	(I.F)	O.6.3
B1963	(I.F)	O.6.4
B1964	(I.F)	O.6.5
B1965	(I.F)	O.7.1
B1966	(I.F)	O.7.2
B1967	(I.F)	O.7.3

B	I	II
B1968	(I.F)	O.7.4
B1969	(I.F)	O.7.5
B1970	(I.F)	O.8.1
B1971	(I.F)	O.8.2
B1972	(I.F)	O.8.3
B1973	(I.F)	O.8.4
B1974	(I.F)	O.8.5
B1975	(I.F)	O.9.1
B1976	(I.F)	O.9.2
B1977	(I.F)	O.10.1
B1978	(I.F)	O.10.2
B1979	(I.F)	O.10.3
B1980	(I.F)	O.10.4
B1981	(I.F)	O.11
B1982	(I.F)	O.12.1
B1983	(I.F)	O.12.2
B1984	(I.F)	O.12.3
B1985	(I.F)	O.12.4
B1986	(I.F)	O.12.5
B1987	(I.F)	O.12.6
B1988	(I.F)	O.13.1
B1989	(I.F)	O.13.2
B1990	(I.F)	O.13.3
B1991	(I.F)	O.14.1
B1992	(I.F)	O.14.2
B1993	(I.F)	O.14.3
B1994	(I.F)	O.14.4
B1995	(I.F)	O.15.1
B1996	(I.F)	O.15.2
B1997	(I.F)	O.15.3
B1998	(I.F)	O.15.4
B1999	(I.F)	O.15.5
B2000	(I.F)	O.15.6
B2001	(I.F)	O.15.7
B2002	(I.F)	O.15.8

B	I	II
B2003	(I.F)	O.15.9
B2004	(I.F)	O.15.10
B2005	(I.F)	O.15.11
B2006	(I.F)	O.16.1
B2007	(I.F)	O.17.1
B2008	(I.F)	O.18.1
B2009	(I.F)	O.18.2
B2010	(I.F)	O.18.3
B2011	(I.F)	O.18.4
B2012	(I.F)	O.18.5
B2013	(I.F)	O.19.1
B2014	(I.F)	O.20.1
B2015	(I.F)	O.20.2
B2016	(I.F)	O.20.3
B2017	(I.F)	O.20.4
B2018	(I.F)	O.21.1
B2019	(I.F)	O.21.2
B2020	(I.F)	O.21.3
B2021	(I.F)	O.21.4
B2022	(I.F)	O.21.5
B2023	(I.F)	O.21.6
B2024	(I.F)	O.21.7
B2025	(I.F)	O.22.1
B2026	(I.F)	O.22.2
B2027	(I.F)	O.22.3
B2028	(I.F)	O.22.4
B2029	(I.F)	O.23.1
B2030	(I.F)	O.23.2
B2031	(I.F)	O.23.3
B2032	(I.F)	O.23.4
B2033	(I.F)	O.24.1
B2034	(I.F)	O.24.2
B2035	(I.F)	O.24.3
B2036	(I.F)	O.24.4
B2037	(I.F)	O.24.5

B	I	II
B2038	(I.F)	O.25.1
B2039	(I.F)	O.25.2
B2040	(I.F)	O.26.1
B2041	(I.F)	O.26.2
B2042	(I.F)	O.26.3
B2043	(I.F)	O.26.4
B2044	(I.F)	O.26.5
B2045	(I.F)	O.26.6
B2046	(I.F)	O.26.7
B2047	(I.F)	O.26.8
B2048	(I.F)	O.26.9
B2049	(I.F)	O.26.10
B2050	(I.F)	O.26.11
B2051	(I.F)	O.26.12
B2052	(I.F)	O.26.13
B2053	(I.F)	O.26.14
B2054	(I.F)	O.26.15
B2055	(I.F)	O.26.16
B2056	(I.F)	O.26.17
B2057	(I.F)	O.26.18
B2058	(I.F)	O.27.1
B2059	(I.F)	O.27.2
B2060	(I.F)	O.27.3
B2061	(I.F)	O.27.4
B2062	(I.F)	O.27.5
B2063	(I.F)	O.27.6
B2064	(I.F)	O.27.7
B2065	(I.F)	O.27.8
B2066	(I.F)	O.27.9
B2067	(I.F)	O.27.10
B2068	(I.F)	O.27.11
B2069	(I.F)	O.27.12
B2070	(I.F)	O.27.13
B2071	(I.F)	O.27.14
B2072	(I.F)	O.27.15

B	I	II
B2073	(I.F)	O.27.16
B2074	(I.F)	O.27.17
B2075	(I.F)	O.27.18
B2076	(I.F)	O.27.19
B2077	(I.F)	O.27.20
B2078	(I.F)	O.27.21
B2079	(I.F)	O.27.22
B2080	(I.F)	O.27.23
B2081	(I.F)	O.27.24
B2082	(I.F)	O.27.25
B2083	(I.F)	O.27.26
B2084	(I.F)	O.27.27
B2085	(I.F)	O.27.28
B2086	(I.F)	O.27.29
B2087	(I.F)	O.27.30
B2088	(I.F)	O.27.31
B2089	(I.F)	O.27.32
B2090	(I.F)	O.27.33
B2091	(I.F)	O.27.34
B2092	(I.F)	O.27.35
B2093	(I.F)	O.27.36
B2094	(I.F)	O.27.37
B2095	(I.F)	O.27.38
B2096	(I.F)	O.27.42
B2097	(I.F)	O.27.43
B2098	(I.F)	O.27.44
B2099	(I.F)	O.27.45
B2100	(I.F)	O.27.46
B2101	(I.F)	O.27.47
B2102	(I.F)	O.27.48
B2103	(I.F)	O.27.49
B2104	(I.F)	O.27.50
B2105	(I.F)	O.27.51
B2106	(I.F)	O.27.52
B2107	(I.F)	O.27.53

B	I	II
B2108	(I.F)	O.27.54
B2109	(I.F)	O.27.55
B2110	(I.F)	O.27.56
B2111	(I.F)	O.27.57
B2112	(I.F)	O.27.58
B2113	(I.F)	O.27.59
B2114	(I.F)	O.27.60
B2115	(I.F)	O.27.61
B2116	(I.F)	O.27.62
B2117	(I.F)	O.27.63
B2118	(I.F)	O.27.64
B2119	(I.F)	O.27.65
B2120	(I.F)	O.27.66
B2121	(I.F)	O.27.67
B2122	(I.F)	O.27.68
B2123	(I.F)	O.27.69

B	I	II
B2124	(I.F)	O.27.70
B2125	(I.F)	O.27.71
B2126	(I.F)	O.27.72
B2127	(I.F)	O.27.73
B2128	(I.F)	O.27.74
B2129	(I.F)	O.27.75
B2130	(I.F)	O.27.76
B2131	(I.F)	O.27.77
B2132	(I.F)	O.27.78
B2133	(I.F)	O.27.79
B2134	(I.F)	O.27.80
B2135	(I.F)	O.27.81
B2136	(I.F)	O.27.82
B2137	(I.F)	O.27.83
B2138	(I.F)	O.27.84
B2139	(I.F)	O.27.85

B	I	II
B2140	(I.F)	O.27.86
B2141	(I.F)	O.27.87
B2142	(I.F)	O.27.88
B2143	(I.F)	O.27.89
B2144	(I.F)	O.27.90
B2145	(I.F)	O.27.91
B2146	(I.F)	O.27.92
B2147	(I.F)	O.27.93
B2148	(I.F)	O.27.94
B2149	(I.F)	O.27.95
B2150	(I.F)	O.27.96
B2151	(I.F)	O.27.97
B2152	(I.F)	O.27.98
B2153	(I.F)	O.27.99
B2154	(I.F)	O.29.1

Table 7:

B = Mixture; I = compound I; II = compound II

B	I	II
B2155	(I.G)	O.1.1
B2156	(I.G)	O.1.2
B2157	(I.G)	O.1.3
B2158	(I.G)	O.1.4
B2159	(I.G)	O.1.5
B2160	(I.G)	O.1.6
B2161	(I.G)	O.1.7
B2162	(I.G)	O.1.8
B2163	(I.G)	O.1.9
B2164	(I.G)	O.1.10
B2165	(I.G)	O.1.11
B2166	(I.G)	O.1.12
B2167	(I.G)	O.1.13
B2168	(I.G)	O.1.14

B	I	II
B2169	(I.G)	O.1.15
B2170	(I.G)	O.1.16
B2171	(I.G)	O.1.17
B2172	(I.G)	O.1.18
B2173	(I.G)	O.1.19
B2174	(I.G)	O.1.20
B2175	(I.G)	O.1.21
B2176	(I.G)	O.1.22
B2177	(I.G)	O.1.23
B2178	(I.G)	O.1.24
B2179	(I.G)	O.1.25
B2180	(I.G)	O.1.26
B2181	(I.G)	O.1.27
B2182	(I.G)	O.1.28

B	I	II
B2183	(I.G)	O.1.29
B2184	(I.G)	O.1.30
B2185	(I.G)	O.1.31
B2186	(I.G)	O.1.32
B2187	(I.G)	O.1.33
B2188	(I.G)	O.1.34
B2189	(I.G)	O.1.35
B2190	(I.G)	O.1.36
B2191	(I.G)	O.1.37
B2192	(I.G)	O.1.38
B2193	(I.G)	O.1.39
B2194	(I.G)	O.1.40
B2195	(I.G)	O.1.41
B2196	(I.G)	O.1.42

B	I	II
B2197	(I.G)	O.1.43
B2198	(I.G)	O.1.44
B2199	(I.G)	O.1.45
B2200	(I.G)	O.1.46
B2201	(I.G)	O.1.47
B2202	(I.G)	O.1.48
B2203	(I.G)	O.1.49
B2204	(I.G)	O.1.50
B2205	(I.G)	O.1.51
B2206	(I.G)	O.1.52
B2207	(I.G)	O.1.53
B2208	(I.G)	O.1.54
B2209	(I.G)	O.1.55
B2210	(I.G)	O.1.56
B2211	(I.G)	O.1.57
B2212	(I.G)	O.1.58
B2213	(I.G)	O.1.59
B2214	(I.G)	O.1.60
B2215	(I.G)	O.1.61
B2216	(I.G)	O.1.62
B2217	(I.G)	O.1.63
B2218	(I.G)	O.1.64
B2219	(I.G)	O.1.65
B2220	(I.G)	O.1.66
B2221	(I.G)	O.1.67
B2222	(I.G)	O.1.68
B2223	(I.G)	O.1.69
B2224	(I.G)	O.1.70
B2225	(I.G)	O.1.71
B2226	(I.G)	O.1.72
B2227	(I.G)	O.1.73
B2228	(I.G)	O.1.74
B2229	(I.G)	O.1.75
B2230	(I.G)	O.1.76
B2231	(I.G)	O.1.77

B	I	II
B2232	(I.G)	O.1.78
B2233	(I.G)	O.1.79
B2234	(I.G)	O.1.80
B2235	(I.G)	O.1.81
B2236	(I.G)	O.1.82
B2237	(I.G)	O.1.83
B2238	(I.G)	O.1.84
B2239	(I.G)	O.1.85
B2240	(I.G)	O.1.86
B2241	(I.G)	O.1.87
B2242	(I.G)	O.1.88
B2243	(I.G)	O.1.89
B2244	(I.G)	O.1.90
B2245	(I.G)	O.1.91
B2246	(I.G)	O.2.1
B2247	(I.G)	O.2.2
B2248	(I.G)	O.2.3
B2249	(I.G)	O.2.4
B2250	(I.G)	O.2.5
B2251	(I.G)	O.2.6
B2252	(I.G)	O.2.7
B2253	(I.G)	O.3.1
B2254	(I.G)	O.3.2
B2255	(I.G)	O.3.3
B2256	(I.G)	O.3.4
B2257	(I.G)	O.3.5
B2258	(I.G)	O.3.6
B2259	(I.G)	O.3.7
B2260	(I.G)	O.3.8
B2261	(I.G)	O.3.9
B2262	(I.G)	O.3.10
B2263	(I.G)	O.3.11
B2264	(I.G)	O.3.12
B2265	(I.G)	O.3.13
B2266	(I.G)	O.3.14

B	I	II
B2267	(I.G)	O.3.15
B2268	(I.G)	O.3.16
B2269	(I.G)	O.3.17
B2270	(I.G)	O.3.18
B2271	(I.G)	O.3.19
B2272	(I.G)	O.3.20
B2273	(I.G)	O.3.21
B2274	(I.G)	O.3.22
B2275	(I.G)	O.3.23
B2276	(I.G)	O.3.24
B2277	(I.G)	O.3.25
B2278	(I.G)	O.3.26
B2279	(I.G)	O.3.27
B2280	(I.G)	O.3.28
B2281	(I.G)	O.3.29
B2282	(I.G)	O.3.30
B2283	(I.G)	O.3.31
B2284	(I.G)	O.3.32
B2285	(I.G)	O.3.33
B2286	(I.G)	O.3.34
B2287	(I.G)	O.3.35
B2288	(I.G)	O.3.36
B2289	(I.G)	O.3.37
B2290	(I.G)	O.3.38
B2291	(I.G)	O.3.39
B2292	(I.G)	O.3.40
B2293	(I.G)	O.3.41
B2294	(I.G)	O.3.42
B2295	(I.G)	O.3.43
B2296	(I.G)	O.3.44
B2297	(I.G)	O.3.45
B2298	(I.G)	O.3.46
B2299	(I.G)	O.3.47
B2300	(I.G)	O.3.48
B2301	(I.G)	O.3.49

B	I	II
B2302	(I.G)	O.4.1
B2303	(I.G)	O.4.2
B2304	(I.G)	O.4.3
B2305	(I.G)	O.4.4
B2306	(I.G)	O.4.5
B2307	(I.G)	O.4.6
B2308	(I.G)	O.4.7
B2309	(I.G)	O.4.8
B2310	(I.G)	O.4.9
B2311	(I.G)	O.4.10
B2312	(I.G)	O.4.11
B2313	(I.G)	O.4.12
B2314	(I.G)	O.4.13
B2315	(I.G)	O.4.14
B2316	(I.G)	O.4.15
B2317	(I.G)	O.5.1
B2318	(I.G)	O.5.2
B2319	(I.G)	O.6.1
B2320	(I.G)	O.6.2
B2321	(I.G)	O.6.3
B2322	(I.G)	O.6.4
B2323	(I.G)	O.6.5
B2324	(I.G)	O.7.1
B2325	(I.G)	O.7.2
B2326	(I.G)	O.7.3
B2327	(I.G)	O.7.4
B2328	(I.G)	O.7.5
B2329	(I.G)	O.8.1
B2330	(I.G)	O.8.2
B2331	(I.G)	O.8.3
B2332	(I.G)	O.8.4
B2333	(I.G)	O.8.5
B2334	(I.G)	O.9.1
B2335	(I.G)	O.9.2
B2336	(I.G)	O.10.1

B	I	II
B2337	(I.G)	O.10.2
B2338	(I.G)	O.10.3
B2339	(I.G)	O.10.4
B2340	(I.G)	O.11
B2341	(I.G)	O.12.1
B2342	(I.G)	O.12.2
B2343	(I.G)	O.12.3
B2344	(I.G)	O.12.4
B2345	(I.G)	O.12.5
B2346	(I.G)	O.12.6
B2347	(I.G)	O.13.1
B2348	(I.G)	O.13.2
B2349	(I.G)	O.13.3
B2350	(I.G)	O.14.1
B2351	(I.G)	O.14.2
B2352	(I.G)	O.14.3
B2353	(I.G)	O.14.4
B2354	(I.G)	O.15.1
B2355	(I.G)	O.15.2
B2356	(I.G)	O.15.3
B2357	(I.G)	O.15.4
B2358	(I.G)	O.15.5
B2359	(I.G)	O.15.6
B2360	(I.G)	O.15.7
B2361	(I.G)	O.15.8
B2362	(I.G)	O.15.9
B2363	(I.G)	O.15.10
B2364	(I.G)	O.15.11
B2365	(I.G)	O.16.1
B2366	(I.G)	O.17.1
B2367	(I.G)	O.18.1
B2368	(I.G)	O.18.2
B2369	(I.G)	O.18.3
B2370	(I.G)	O.18.4
B2371	(I.G)	O.18.5

B	I	II
B2372	(I.G)	O.19.1
B2373	(I.G)	O.20.1
B2374	(I.G)	O.20.2
B2375	(I.G)	O.20.3
B2376	(I.G)	O.20.4
B2377	(I.G)	O.21.1
B2378	(I.G)	O.21.2
B2379	(I.G)	O.21.3
B2380	(I.G)	O.21.4
B2381	(I.G)	O.21.5
B2382	(I.G)	O.21.6
B2383	(I.G)	O.21.7
B2384	(I.G)	O.22.1
B2385	(I.G)	O.22.2
B2386	(I.G)	O.22.3
B2387	(I.G)	O.22.4
B2388	(I.G)	O.23.1
B2389	(I.G)	O.23.2
B2390	(I.G)	O.23.3
B2391	(I.G)	O.23.4
B2392	(I.G)	O.24.1
B2393	(I.G)	O.24.2
B2394	(I.G)	O.24.3
B2395	(I.G)	O.24.4
B2396	(I.G)	O.24.5
B2397	(I.G)	O.25.1
B2398	(I.G)	O.25.2
B2399	(I.G)	O.26.1
B2400	(I.G)	O.26.2
B2401	(I.G)	O.26.3
B2402	(I.G)	O.26.4
B2403	(I.G)	O.26.5
B2404	(I.G)	O.26.6
B2405	(I.G)	O.26.7
B2406	(I.G)	O.26.8

B	I	II
B2407	(I.G)	O.26.9
B2408	(I.G)	O.26.10
B2409	(I.G)	O.26.11
B2410	(I.G)	O.26.12
B2411	(I.G)	O.26.13
B2412	(I.G)	O.26.14
B2413	(I.G)	O.26.15
B2414	(I.G)	O.26.16
B2415	(I.G)	O.26.17
B2416	(I.G)	O.26.18
B2417	(I.G)	O.27.1
B2418	(I.G)	O.27.2
B2419	(I.G)	O.27.3
B2420	(I.G)	O.27.4
B2421	(I.G)	O.27.5
B2422	(I.G)	O.27.6
B2423	(I.G)	O.27.7
B2424	(I.G)	O.27.8
B2425	(I.G)	O.27.9
B2426	(I.G)	O.27.10
B2427	(I.G)	O.27.11
B2428	(I.G)	O.27.12
B2429	(I.G)	O.27.13
B2430	(I.G)	O.27.14
B2431	(I.G)	O.27.15
B2432	(I.G)	O.27.16
B2433	(I.G)	O.27.17
B2434	(I.G)	O.27.18
B2435	(I.G)	O.27.19
B2436	(I.G)	O.27.20
B2437	(I.G)	O.27.21
B2438	(I.G)	O.27.22
B2439	(I.G)	O.27.23
B2440	(I.G)	O.27.24
B2441	(I.G)	O.27.25

B	I	II
B2442	(I.G)	O.27.26
B2443	(I.G)	O.27.27
B2444	(I.G)	O.27.28
B2445	(I.G)	O.27.29
B2446	(I.G)	O.27.30
B2447	(I.G)	O.27.31
B2448	(I.G)	O.27.32
B2449	(I.G)	O.27.33
B2450	(I.G)	O.27.34
B2451	(I.G)	O.27.35
B2452	(I.G)	O.27.36
B2453	(I.G)	O.27.37
B2454	(I.G)	O.27.38
B2455	(I.G)	O.27.42
B2456	(I.G)	O.27.43
B2457	(I.G)	O.27.44
B2458	(I.G)	O.27.45
B2459	(I.G)	O.27.46
B2460	(I.G)	O.27.47
B2461	(I.G)	O.27.48
B2462	(I.G)	O.27.49
B2463	(I.G)	O.27.50
B2464	(I.G)	O.27.51
B2465	(I.G)	O.27.52
B2466	(I.G)	O.27.53
B2467	(I.G)	O.27.54
B2468	(I.G)	O.27.55
B2469	(I.G)	O.27.56
B2470	(I.G)	O.27.57
B2471	(I.G)	O.27.58
B2472	(I.G)	O.27.59
B2473	(I.G)	O.27.60
B2474	(I.G)	O.27.61
B2475	(I.G)	O.27.62
B2476	(I.G)	O.27.63

B	I	II
B2477	(I.G)	O.27.64
B2478	(I.G)	O.27.65
B2479	(I.G)	O.27.66
B2480	(I.G)	O.27.67
B2481	(I.G)	O.27.68
B2482	(I.G)	O.27.69
B2483	(I.G)	O.27.70
B2484	(I.G)	O.27.71
B2485	(I.G)	O.27.72
B2486	(I.G)	O.27.73
B2487	(I.G)	O.27.74
B2488	(I.G)	O.27.75
B2489	(I.G)	O.27.76
B2490	(I.G)	O.27.77
B2491	(I.G)	O.27.78
B2492	(I.G)	O.27.79
B2493	(I.G)	O.27.80
B2494	(I.G)	O.27.81
B2495	(I.G)	O.27.82
B2496	(I.G)	O.27.83
B2497	(I.G)	O.27.84
B2498	(I.G)	O.27.85
B2499	(I.G)	O.27.86
B2500	(I.G)	O.27.87
B2501	(I.G)	O.27.88
B2502	(I.G)	O.27.89
B2503	(I.G)	O.27.90
B2504	(I.G)	O.27.91
B2505	(I.G)	O.27.92
B2506	(I.G)	O.27.93
B2507	(I.G)	O.27.94
B2508	(I.G)	O.27.95
B2509	(I.G)	O.27.96
B2510	(I.G)	O.27.97
B2511	(I.G)	O.27.98

B	I	II
B2512	(I.G)	O.27.99

B	I	II
B2513	(I.G)	O.29.1

Table 8:

B = Mixture; I = compound I; II = compound II

B	I	II
B2514	(I.H)	O.1.1
B2515	(I.H)	O.1.2
B2516	(I.H)	O.1.3
B2517	(I.H)	O.1.4
B2518	(I.H)	O.1.5
B2519	(I.H)	O.1.6
B2520	(I.H)	O.1.7
B2521	(I.H)	O.1.8
B2522	(I.H)	O.1.9
B2523	(I.H)	O.1.10
B2524	(I.H)	O.1.11
B2525	(I.H)	O.1.12
B2526	(I.H)	O.1.13
B2527	(I.H)	O.1.14
B2528	(I.H)	O.1.15
B2529	(I.H)	O.1.16
B2530	(I.H)	O.1.17
B2531	(I.H)	O.1.18
B2532	(I.H)	O.1.19
B2533	(I.H)	O.1.20
B2534	(I.H)	O.1.21
B2535	(I.H)	O.1.22
B2536	(I.H)	O.1.23
B2537	(I.H)	O.1.24
B2538	(I.H)	O.1.25
B2539	(I.H)	O.1.26
B2540	(I.H)	O.1.27
B2541	(I.H)	O.1.28
B2542	(I.H)	O.1.29

B	I	II
B2543	(I.H)	O.1.30
B2544	(I.H)	O.1.31
B2545	(I.H)	O.1.32
B2546	(I.H)	O.1.33
B2547	(I.H)	O.1.34
B2548	(I.H)	O.1.35
B2549	(I.H)	O.1.36
B2550	(I.H)	O.1.37
B2551	(I.H)	O.1.38
B2552	(I.H)	O.1.39
B2553	(I.H)	O.1.40
B2554	(I.H)	O.1.41
B2555	(I.H)	O.1.42
B2556	(I.H)	O.1.43
B2557	(I.H)	O.1.44
B2558	(I.H)	O.1.45
B2559	(I.H)	O.1.46
B2560	(I.H)	O.1.47
B2561	(I.H)	O.1.48
B2562	(I.H)	O.1.49
B2563	(I.H)	O.1.50
B2564	(I.H)	O.1.51
B2565	(I.H)	O.1.52
B2566	(I.H)	O.1.53
B2567	(I.H)	O.1.54
B2568	(I.H)	O.1.55
B2569	(I.H)	O.1.56
B2570	(I.H)	O.1.57
B2571	(I.H)	O.1.58

B	I	II
B2572	(I.H)	O.1.59
B2573	(I.H)	O.1.60
B2574	(I.H)	O.1.61
B2575	(I.H)	O.1.62
B2576	(I.H)	O.1.63
B2577	(I.H)	O.1.64
B2578	(I.H)	O.1.65
B2579	(I.H)	O.1.66
B2580	(I.H)	O.1.67
B2581	(I.H)	O.1.68
B2582	(I.H)	O.1.69
B2583	(I.H)	O.1.70
B2584	(I.H)	O.1.71
B2585	(I.H)	O.1.72
B2586	(I.H)	O.1.73
B2587	(I.H)	O.1.74
B2588	(I.H)	O.1.75
B2589	(I.H)	O.1.76
B2590	(I.H)	O.1.77
B2591	(I.H)	O.1.78
B2592	(I.H)	O.1.79
B2593	(I.H)	O.1.80
B2594	(I.H)	O.1.81
B2595	(I.H)	O.1.82
B2596	(I.H)	O.1.83
B2597	(I.H)	O.1.84
B2598	(I.H)	O.1.85
B2599	(I.H)	O.1.86
B2600	(I.H)	O.1.87

B	I	II
B2601	(I.H)	O.1.88
B2602	(I.H)	O.1.89
B2603	(I.H)	O.1.90
B2604	(I.H)	O.1.91
B2605	(I.H)	O.2.1
B2606	(I.H)	O.2.2
B2607	(I.H)	O.2.3
B2608	(I.H)	O.2.4
B2609	(I.H)	O.2.5
B2610	(I.H)	O.2.6
B2611	(I.H)	O.2.7
B2612	(I.H)	O.3.1
B2613	(I.H)	O.3.2
B2614	(I.H)	O.3.3
B2615	(I.H)	O.3.4
B2616	(I.H)	O.3.5
B2617	(I.H)	O.3.6
B2618	(I.H)	O.3.7
B2619	(I.H)	O.3.8
B2620	(I.H)	O.3.9
B2621	(I.H)	O.3.10
B2622	(I.H)	O.3.11
B2623	(I.H)	O.3.12
B2624	(I.H)	O.3.13
B2625	(I.H)	O.3.14
B2626	(I.H)	O.3.15
B2627	(I.H)	O.3.16
B2628	(I.H)	O.3.17
B2629	(I.H)	O.3.18
B2630	(I.H)	O.3.19
B2631	(I.H)	O.3.20
B2632	(I.H)	O.3.21
B2633	(I.H)	O.3.22
B2634	(I.H)	O.3.23
B2635	(I.H)	O.3.24

B	I	II
B2636	(I.H)	O.3.25
B2637	(I.H)	O.3.26
B2638	(I.H)	O.3.27
B2639	(I.H)	O.3.28
B2640	(I.H)	O.3.29
B2641	(I.H)	O.3.30
B2642	(I.H)	O.3.31
B2643	(I.H)	O.3.32
B2644	(I.H)	O.3.33
B2645	(I.H)	O.3.34
B2646	(I.H)	O.3.35
B2647	(I.H)	O.3.36
B2648	(I.H)	O.3.37
B2649	(I.H)	O.3.38
B2650	(I.H)	O.3.39
B2651	(I.H)	O.3.40
B2652	(I.H)	O.3.41
B2653	(I.H)	O.3.42
B2654	(I.H)	O.3.43
B2655	(I.H)	O.3.44
B2656	(I.H)	O.3.45
B2657	(I.H)	O.3.46
B2658	(I.H)	O.3.47
B2659	(I.H)	O.3.48
B2660	(I.H)	O.3.49
B2661	(I.H)	O.4.1
B2662	(I.H)	O.4.2
B2663	(I.H)	O.4.3
B2664	(I.H)	O.4.4
B2665	(I.H)	O.4.5
B2666	(I.H)	O.4.6
B2667	(I.H)	O.4.7
B2668	(I.H)	O.4.8
B2669	(I.H)	O.4.9
B2670	(I.H)	O.4.10

B	I	II
B2671	(I.H)	O.4.11
B2672	(I.H)	O.4.12
B2673	(I.H)	O.4.13
B2674	(I.H)	O.4.14
B2675	(I.H)	O.4.15
B2676	(I.H)	O.5.1
B2677	(I.H)	O.5.2
B2678	(I.H)	O.6.1
B2679	(I.H)	O.6.2
B2680	(I.H)	O.6.3
B2681	(I.H)	O.6.4
B2682	(I.H)	O.6.5
B2683	(I.H)	O.7.1
B2684	(I.H)	O.7.2
B2685	(I.H)	O.7.3
B2686	(I.H)	O.7.4
B2687	(I.H)	O.7.5
B2688	(I.H)	O.8.1
B2689	(I.H)	O.8.2
B2690	(I.H)	O.8.3
B2691	(I.H)	O.8.4
B2692	(I.H)	O.8.5
B2693	(I.H)	O.9.1
B2694	(I.H)	O.9.2
B2695	(I.H)	O.10.1
B2696	(I.H)	O.10.2
B2697	(I.H)	O.10.3
B2698	(I.H)	O.10.4
B2699	(I.H)	O.11
B2700	(I.H)	O.12.1
B2701	(I.H)	O.12.2
B2702	(I.H)	O.12.3
B2703	(I.H)	O.12.4
B2704	(I.H)	O.12.5
B2705	(I.H)	O.12.6

B	I	II
B2706	(I.H)	O.13.1
B2707	(I.H)	O.13.2
B2708	(I.H)	O.13.3
B2709	(I.H)	O.14.1
B2710	(I.H)	O.14.2
B2711	(I.H)	O.14.3
B2712	(I.H)	O.14.4
B2713	(I.H)	O.15.1
B2714	(I.H)	O.15.2
B2715	(I.H)	O.15.3
B2716	(I.H)	O.15.4
B2717	(I.H)	O.15.5
B2718	(I.H)	O.15.6
B2719	(I.H)	O.15.7
B2720	(I.H)	O.15.8
B2721	(I.H)	O.15.9
B2722	(I.H)	O.15.10
B2723	(I.H)	O.15.11
B2724	(I.H)	O.16.1
B2725	(I.H)	O.17.1
B2726	(I.H)	O.18.1
B2727	(I.H)	O.18.2
B2728	(I.H)	O.18.3
B2729	(I.H)	O.18.4
B2730	(I.H)	O.18.5
B2731	(I.H)	O.19.1
B2732	(I.H)	O.20.1
B2733	(I.H)	O.20.2
B2734	(I.H)	O.20.3
B2735	(I.H)	O.20.4
B2736	(I.H)	O.21.1
B2737	(I.H)	O.21.2
B2738	(I.H)	O.21.3
B2739	(I.H)	O.21.4
B2740	(I.H)	O.21.5

B	I	II
B2741	(I.H)	O.21.6
B2742	(I.H)	O.21.7
B2743	(I.H)	O.22.1
B2744	(I.H)	O.22.2
B2745	(I.H)	O.22.3
B2746	(I.H)	O.22.4
B2747	(I.H)	O.23.1
B2748	(I.H)	O.23.2
B2749	(I.H)	O.23.3
B2750	(I.H)	O.23.4
B2751	(I.H)	O.24.1
B2752	(I.H)	O.24.2
B2753	(I.H)	O.24.3
B2754	(I.H)	O.24.4
B2755	(I.H)	O.24.5
B2756	(I.H)	O.25.1
B2757	(I.H)	O.25.2
B2758	(I.H)	O.26.1
B2759	(I.H)	O.26.2
B2760	(I.H)	O.26.3
B2761	(I.H)	O.26.4
B2762	(I.H)	O.26.5
B2763	(I.H)	O.26.6
B2764	(I.H)	O.26.7
B2765	(I.H)	O.26.8
B2766	(I.H)	O.26.9
B2767	(I.H)	O.26.10
B2768	(I.H)	O.26.11
B2769	(I.H)	O.26.12
B2770	(I.H)	O.26.13
B2771	(I.H)	O.26.14
B2772	(I.H)	O.26.15
B2773	(I.H)	O.26.16
B2774	(I.H)	O.26.17
B2775	(I.H)	O.26.18

B	I	II
B2776	(I.H)	O.27.1
B2777	(I.H)	O.27.2
B2778	(I.H)	O.27.3
B2779	(I.H)	O.27.4
B2780	(I.H)	O.27.5
B2781	(I.H)	O.27.6
B2782	(I.H)	O.27.7
B2783	(I.H)	O.27.8
B2784	(I.H)	O.27.9
B2785	(I.H)	O.27.10
B2786	(I.H)	O.27.11
B2787	(I.H)	O.27.12
B2788	(I.H)	O.27.13
B2789	(I.H)	O.27.14
B2790	(I.H)	O.27.15
B2791	(I.H)	O.27.16
B2792	(I.H)	O.27.17
B2793	(I.H)	O.27.18
B2794	(I.H)	O.27.19
B2795	(I.H)	O.27.20
B2796	(I.H)	O.27.21
B2797	(I.H)	O.27.22
B2798	(I.H)	O.27.23
B2799	(I.H)	O.27.24
B2800	(I.H)	O.27.25
B2801	(I.H)	O.27.26
B2802	(I.H)	O.27.27
B2803	(I.H)	O.27.28
B2804	(I.H)	O.27.29
B2805	(I.H)	O.27.30
B2806	(I.H)	O.27.31
B2807	(I.H)	O.27.32
B2808	(I.H)	O.27.33
B2809	(I.H)	O.27.34
B2810	(I.H)	O.27.35

B	I	II
B2811	(I.H)	O.27.36
B2812	(I.H)	O.27.37
B2813	(I.H)	O.27.38
B2814	(I.H)	O.27.42
B2815	(I.H)	O.27.43
B2816	(I.H)	O.27.44
B2817	(I.H)	O.27.45
B2818	(I.H)	O.27.46
B2819	(I.H)	O.27.47
B2820	(I.H)	O.27.48
B2821	(I.H)	O.27.49
B2822	(I.H)	O.27.50
B2823	(I.H)	O.27.51
B2824	(I.H)	O.27.52
B2825	(I.H)	O.27.53
B2826	(I.H)	O.27.54
B2827	(I.H)	O.27.55
B2828	(I.H)	O.27.56
B2829	(I.H)	O.27.57
B2830	(I.H)	O.27.58
B2831	(I.H)	O.27.59

B	I	II
B2832	(I.H)	O.27.60
B2833	(I.H)	O.27.61
B2834	(I.H)	O.27.62
B2835	(I.H)	O.27.63
B2836	(I.H)	O.27.64
B2837	(I.H)	O.27.65
B2838	(I.H)	O.27.66
B2839	(I.H)	O.27.67
B2840	(I.H)	O.27.68
B2841	(I.H)	O.27.69
B2842	(I.H)	O.27.70
B2843	(I.H)	O.27.71
B2844	(I.H)	O.27.72
B2845	(I.H)	O.27.73
B2846	(I.H)	O.27.74
B2847	(I.H)	O.27.75
B2848	(I.H)	O.27.76
B2849	(I.H)	O.27.77
B2850	(I.H)	O.27.78
B2851	(I.H)	O.27.79
B2852	(I.H)	O.27.80

B	I	II
B2853	(I.H)	O.27.81
B2854	(I.H)	O.27.82
B2855	(I.H)	O.27.83
B2856	(I.H)	O.27.84
B2857	(I.H)	O.27.85
B2858	(I.H)	O.27.86
B2859	(I.H)	O.27.87
B2860	(I.H)	O.27.88
B2861	(I.H)	O.27.89
B2862	(I.H)	O.27.90
B2863	(I.H)	O.27.91
B2864	(I.H)	O.27.92
B2865	(I.H)	O.27.93
B2866	(I.H)	O.27.94
B2867	(I.H)	O.27.95
B2868	(I.H)	O.27.96
B2869	(I.H)	O.27.97
B2870	(I.H)	O.27.98
B2871	(I.H)	O.27.99
B2872	(I.H)	O.29.1

Table 9:

B = Mixture; I = compound I; II = compound II

B	I	II
B2873	(I.J)	O.1.1
B2874	(I.J)	O.1.2
B2875	(I.J)	O.1.3
B2876	(I.J)	O.1.4
B2877	(I.J)	O.1.5
B2878	(I.J)	O.1.6
B2879	(I.J)	O.1.7
B2880	(I.J)	O.1.8

B	I	II
B2881	(I.J)	O.1.9
B2882	(I.J)	O.1.10
B2883	(I.J)	O.1.11
B2884	(I.J)	O.1.12
B2885	(I.J)	O.1.13
B2886	(I.J)	O.1.14
B2887	(I.J)	O.1.15
B2888	(I.J)	O.1.16

B	I	II
B2889	(I.J)	O.1.17
B2890	(I.J)	O.1.18
B2891	(I.J)	O.1.19
B2892	(I.J)	O.1.20
B2893	(I.J)	O.1.21
B2894	(I.J)	O.1.22
B2895	(I.J)	O.1.23
B2896	(I.J)	O.1.24

B	I	II
B2897	(I.J)	O.1.25
B2898	(I.J)	O.1.26
B2899	(I.J)	O.1.27
B2900	(I.J)	O.1.28
B2901	(I.J)	O.1.29
B2902	(I.J)	O.1.30
B2903	(I.J)	O.1.31
B2904	(I.J)	O.1.32
B2905	(I.J)	O.1.33
B2906	(I.J)	O.1.34
B2907	(I.J)	O.1.35
B2908	(I.J)	O.1.36
B2909	(I.J)	O.1.37
B2910	(I.J)	O.1.38
B2911	(I.J)	O.1.39
B2912	(I.J)	O.1.40
B2913	(I.J)	O.1.41
B2914	(I.J)	O.1.42
B2915	(I.J)	O.1.43
B2916	(I.J)	O.1.44
B2917	(I.J)	O.1.45
B2918	(I.J)	O.1.46
B2919	(I.J)	O.1.47
B2920	(I.J)	O.1.48
B2921	(I.J)	O.1.49
B2922	(I.J)	O.1.50
B2923	(I.J)	O.1.51
B2924	(I.J)	O.1.52
B2925	(I.J)	O.1.53
B2926	(I.J)	O.1.54
B2927	(I.J)	O.1.55
B2928	(I.J)	O.1.56
B2929	(I.J)	O.1.57
B2930	(I.J)	O.1.58
B2931	(I.J)	O.1.59

B	I	II
B2932	(I.J)	O.1.60
B2933	(I.J)	O.1.61
B2934	(I.J)	O.1.62
B2935	(I.J)	O.1.63
B2936	(I.J)	O.1.64
B2937	(I.J)	O.1.65
B2938	(I.J)	O.1.66
B2939	(I.J)	O.1.67
B2940	(I.J)	O.1.68
B2941	(I.J)	O.1.69
B2942	(I.J)	O.1.70
B2943	(I.J)	O.1.71
B2944	(I.J)	O.1.72
B2945	(I.J)	O.1.73
B2946	(I.J)	O.1.74
B2947	(I.J)	O.1.75
B2948	(I.J)	O.1.76
B2949	(I.J)	O.1.77
B2950	(I.J)	O.1.78
B2951	(I.J)	O.1.79
B2952	(I.J)	O.1.80
B2953	(I.J)	O.1.81
B2954	(I.J)	O.1.82
B2955	(I.J)	O.1.83
B2956	(I.J)	O.1.84
B2957	(I.J)	O.1.85
B2958	(I.J)	O.1.86
B2959	(I.J)	O.1.87
B2960	(I.J)	O.1.88
B2961	(I.J)	O.1.89
B2962	(I.J)	O.1.90
B2963	(I.J)	O.1.91
B2964	(I.J)	O.2.1
B2965	(I.J)	O.2.2
B2966	(I.J)	O.2.3

B	I	II
B2967	(I.J)	O.2.4
B2968	(I.J)	O.2.5
B2969	(I.J)	O.2.6
B2970	(I.J)	O.2.7
B2971	(I.J)	O.3.1
B2972	(I.J)	O.3.2
B2973	(I.J)	O.3.3
B2974	(I.J)	O.3.4
B2975	(I.J)	O.3.5
B2976	(I.J)	O.3.6
B2977	(I.J)	O.3.7
B2978	(I.J)	O.3.8
B2979	(I.J)	O.3.9
B2980	(I.J)	O.3.10
B2981	(I.J)	O.3.11
B2982	(I.J)	O.3.12
B2983	(I.J)	O.3.13
B2984	(I.J)	O.3.14
B2985	(I.J)	O.3.15
B2986	(I.J)	O.3.16
B2987	(I.J)	O.3.17
B2988	(I.J)	O.3.18
B2989	(I.J)	O.3.19
B2990	(I.J)	O.3.20
B2991	(I.J)	O.3.21
B2992	(I.J)	O.3.22
B2993	(I.J)	O.3.23
B2994	(I.J)	O.3.24
B2995	(I.J)	O.3.25
B2996	(I.J)	O.3.26
B2997	(I.J)	O.3.27
B2998	(I.J)	O.3.28
B2999	(I.J)	O.3.29
B3000	(I.J)	O.3.30
B3001	(I.J)	O.3.31

B	I	II
B3002	(I.J)	O.3.32
B3003	(I.J)	O.3.33
B3004	(I.J)	O.3.34
B3005	(I.J)	O.3.35
B3006	(I.J)	O.3.36
B3007	(I.J)	O.3.37
B3008	(I.J)	O.3.38
B3009	(I.J)	O.3.39
B3010	(I.J)	O.3.40
B3011	(I.J)	O.3.41
B3012	(I.J)	O.3.42
B3013	(I.J)	O.3.43
B3014	(I.J)	O.3.44
B3015	(I.J)	O.3.45
B3016	(I.J)	O.3.46
B3017	(I.J)	O.3.47
B3018	(I.J)	O.3.48
B3019	(I.J)	O.3.49
B3020	(I.J)	O.4.1
B3021	(I.J)	O.4.2
B3022	(I.J)	O.4.3
B3023	(I.J)	O.4.4
B3024	(I.J)	O.4.5
B3025	(I.J)	O.4.6
B3026	(I.J)	O.4.7
B3027	(I.J)	O.4.8
B3028	(I.J)	O.4.9
B3029	(I.J)	O.4.10
B3030	(I.J)	O.4.11
B3031	(I.J)	O.4.12
B3032	(I.J)	O.4.13
B3033	(I.J)	O.4.14
B3034	(I.J)	O.4.15
B3035	(I.J)	O.5.1
B3036	(I.J)	O.5.2

B	I	II
B3037	(I.J)	O.6.1
B3038	(I.J)	O.6.2
B3039	(I.J)	O.6.3
B3040	(I.J)	O.6.4
B3041	(I.J)	O.6.5
B3042	(I.J)	O.7.1
B3043	(I.J)	O.7.2
B3044	(I.J)	O.7.3
B3045	(I.J)	O.7.4
B3046	(I.J)	O.7.5
B3047	(I.J)	O.8.1
B3048	(I.J)	O.8.2
B3049	(I.J)	O.8.3
B3050	(I.J)	O.8.4
B3051	(I.J)	O.8.5
B3052	(I.J)	O.9.1
B3053	(I.J)	O.9.2
B3054	(I.J)	O.10.1
B3055	(I.J)	O.10.2
B3056	(I.J)	O.10.3
B3057	(I.J)	O.10.4
B3058	(I.J)	O.11
B3059	(I.J)	O.12.1
B3060	(I.J)	O.12.2
B3061	(I.J)	O.12.3
B3062	(I.J)	O.12.4
B3063	(I.J)	O.12.5
B3064	(I.J)	O.12.6
B3065	(I.J)	O.13.1
B3066	(I.J)	O.13.2
B3067	(I.J)	O.13.3
B3068	(I.J)	O.14.1
B3069	(I.J)	O.14.2
B3070	(I.J)	O.14.3
B3071	(I.J)	O.14.4

B	I	II
B3072	(I.J)	O.15.1
B3073	(I.J)	O.15.2
B3074	(I.J)	O.15.3
B3075	(I.J)	O.15.4
B3076	(I.J)	O.15.5
B3077	(I.J)	O.15.6
B3078	(I.J)	O.15.7
B3079	(I.J)	O.15.8
B3080	(I.J)	O.15.9
B3081	(I.J)	O.15.10
B3082	(I.J)	O.15.11
B3083	(I.J)	O.16.1
B3084	(I.J)	O.17.1
B3085	(I.J)	O.18.1
B3086	(I.J)	O.18.2
B3087	(I.J)	O.18.3
B3088	(I.J)	O.18.4
B3089	(I.J)	O.18.5
B3090	(I.J)	O.19.1
B3091	(I.J)	O.20.1
B3092	(I.J)	O.20.2
B3093	(I.J)	O.20.3
B3094	(I.J)	O.20.4
B3095	(I.J)	O.21.1
B3096	(I.J)	O.21.2
B3097	(I.J)	O.21.3
B3098	(I.J)	O.21.4
B3099	(I.J)	O.21.5
B3100	(I.J)	O.21.6
B3101	(I.J)	O.21.7
B3102	(I.J)	O.22.1
B3103	(I.J)	O.22.2
B3104	(I.J)	O.22.3
B3105	(I.J)	O.22.4
B3106	(I.J)	O.23.1

B	I	II
B3107	(I.J)	O.23.2
B3108	(I.J)	O.23.3
B3109	(I.J)	O.23.4
B3110	(I.J)	O.24.1
B3111	(I.J)	O.24.2
B3112	(I.J)	O.24.3
B3113	(I.J)	O.24.4
B3114	(I.J)	O.24.5
B3115	(I.J)	O.25.1
B3116	(I.J)	O.25.2
B3117	(I.J)	O.26.1
B3118	(I.J)	O.26.2
B3119	(I.J)	O.26.3
B3120	(I.J)	O.26.4
B3121	(I.J)	O.26.5
B3122	(I.J)	O.26.6
B3123	(I.J)	O.26.7
B3124	(I.J)	O.26.8
B3125	(I.J)	O.26.9
B3126	(I.J)	O.26.10
B3127	(I.J)	O.26.11
B3128	(I.J)	O.26.12
B3129	(I.J)	O.26.13
B3130	(I.J)	O.26.14
B3131	(I.J)	O.26.15
B3132	(I.J)	O.26.16
B3133	(I.J)	O.26.17
B3134	(I.J)	O.26.18
B3135	(I.J)	O.27.1
B3136	(I.J)	O.27.2
B3137	(I.J)	O.27.3
B3138	(I.J)	O.27.4
B3139	(I.J)	O.27.5
B3140	(I.J)	O.27.6
B3141	(I.J)	O.27.7

B	I	II
B3142	(I.J)	O.27.8
B3143	(I.J)	O.27.9
B3144	(I.J)	O.27.10
B3145	(I.J)	O.27.11
B3146	(I.J)	O.27.12
B3147	(I.J)	O.27.13
B3148	(I.J)	O.27.14
B3149	(I.J)	O.27.15
B3150	(I.J)	O.27.16
B3151	(I.J)	O.27.17
B3152	(I.J)	O.27.18
B3153	(I.J)	O.27.19
B3154	(I.J)	O.27.20
B3155	(I.J)	O.27.21
B3156	(I.J)	O.27.22
B3157	(I.J)	O.27.23
B3158	(I.J)	O.27.24
B3159	(I.J)	O.27.25
B3160	(I.J)	O.27.26
B3161	(I.J)	O.27.27
B3162	(I.J)	O.27.28
B3163	(I.J)	O.27.29
B3164	(I.J)	O.27.30
B3165	(I.J)	O.27.31
B3166	(I.J)	O.27.32
B3167	(I.J)	O.27.33
B3168	(I.J)	O.27.34
B3169	(I.J)	O.27.35
B3170	(I.J)	O.27.36
B3171	(I.J)	O.27.37
B3172	(I.J)	O.27.38
B3173	(I.J)	O.27.42
B3174	(I.J)	O.27.43
B3175	(I.J)	O.27.44
B3176	(I.J)	O.27.45

B	I	II
B3177	(I.J)	O.27.46
B3178	(I.J)	O.27.47
B3179	(I.J)	O.27.48
B3180	(I.J)	O.27.49
B3181	(I.J)	O.27.50
B3182	(I.J)	O.27.51
B3183	(I.J)	O.27.52
B3184	(I.J)	O.27.53
B3185	(I.J)	O.27.54
B3186	(I.J)	O.27.55
B3187	(I.J)	O.27.56
B3188	(I.J)	O.27.57
B3189	(I.J)	O.27.58
B3190	(I.J)	O.27.59
B3191	(I.J)	O.27.60
B3192	(I.J)	O.27.61
B3193	(I.J)	O.27.62
B3194	(I.J)	O.27.63
B3195	(I.J)	O.27.64
B3196	(I.J)	O.27.65
B3197	(I.J)	O.27.66
B3198	(I.J)	O.27.67
B3199	(I.J)	O.27.68
B3200	(I.J)	O.27.69
B3201	(I.J)	O.27.70
B3202	(I.J)	O.27.71
B3203	(I.J)	O.27.72
B3204	(I.J)	O.27.73
B3205	(I.J)	O.27.74
B3206	(I.J)	O.27.75
B3207	(I.J)	O.27.76
B3208	(I.J)	O.27.77
B3209	(I.J)	O.27.78
B3210	(I.J)	O.27.79
B3211	(I.J)	O.27.80

B	I	II
B3212	(I.J)	O.27.81
B3213	(I.J)	O.27.82
B3214	(I.J)	O.27.83
B3215	(I.J)	O.27.84
B3216	(I.J)	O.27.85
B3217	(I.J)	O.27.86
B3218	(I.J)	O.27.87

B	I	II
B3219	(I.J)	O.27.88
B3220	(I.J)	O.27.89
B3221	(I.J)	O.27.90
B3222	(I.J)	O.27.91
B3223	(I.J)	O.27.92
B3224	(I.J)	O.27.93
B3225	(I.J)	O.27.94

B	I	II
B3226	(I.J)	O.27.95
B3227	(I.J)	O.27.96
B3228	(I.J)	O.27.97
B3229	(I.J)	O.27.98
B3230	(I.J)	O.27.99
B3231	(I.J)	O.29.1

Table 10:

B = Mixture; I = compound I; II = compound II

B	I	II
B3232	(I.K)	O.1.1
B3233	(I.K)	O.1.2
B3234	(I.K)	O.1.3
B3235	(I.K)	O.1.4
B3236	(I.K)	O.1.5
B3237	(I.K)	O.1.6
B3238	(I.K)	O.1.7
B3239	(I.K)	O.1.8
B3240	(I.K)	O.1.9
B3241	(I.K)	O.1.10
B3242	(I.K)	O.1.11
B3243	(I.K)	O.1.12
B3244	(I.K)	O.1.13
B3245	(I.K)	O.1.14
B3246	(I.K)	O.1.15
B3247	(I.K)	O.1.16
B3248	(I.K)	O.1.17
B3249	(I.K)	O.1.18
B3250	(I.K)	O.1.19
B3251	(I.K)	O.1.20
B3252	(I.K)	O.1.21
B3253	(I.K)	O.1.22
B3254	(I.K)	O.1.23

B	I	II
B3255	(I.K)	O.1.24
B3256	(I.K)	O.1.25
B3257	(I.K)	O.1.26
B3258	(I.K)	O.1.27
B3259	(I.K)	O.1.28
B3260	(I.K)	O.1.29
B3261	(I.K)	O.1.30
B3262	(I.K)	O.1.31
B3263	(I.K)	O.1.32
B3264	(I.K)	O.1.33
B3265	(I.K)	O.1.34
B3266	(I.K)	O.1.35
B3267	(I.K)	O.1.36
B3268	(I.K)	O.1.37
B3269	(I.K)	O.1.38
B3270	(I.K)	O.1.39
B3271	(I.K)	O.1.40
B3272	(I.K)	O.1.41
B3273	(I.K)	O.1.42
B3274	(I.K)	O.1.43
B3275	(I.K)	O.1.44
B3276	(I.K)	O.1.45
B3277	(I.K)	O.1.46

B	I	II
B3278	(I.K)	O.1.47
B3279	(I.K)	O.1.48
B3280	(I.K)	O.1.49
B3281	(I.K)	O.1.50
B3282	(I.K)	O.1.51
B3283	(I.K)	O.1.52
B3284	(I.K)	O.1.53
B3285	(I.K)	O.1.54
B3286	(I.K)	O.1.55
B3287	(I.K)	O.1.56
B3288	(I.K)	O.1.57
B3289	(I.K)	O.1.58
B3290	(I.K)	O.1.59
B3291	(I.K)	O.1.60
B3292	(I.K)	O.1.61
B3293	(I.K)	O.1.62
B3294	(I.K)	O.1.63
B3295	(I.K)	O.1.64
B3296	(I.K)	O.1.65
B3297	(I.K)	O.1.66
B3298	(I.K)	O.1.67
B3299	(I.K)	O.1.68
B3300	(I.K)	O.1.69

B	I	II
B3301	(I.K)	O.1.70
B3302	(I.K)	O.1.71
B3303	(I.K)	O.1.72
B3304	(I.K)	O.1.73
B3305	(I.K)	O.1.74
B3306	(I.K)	O.1.75
B3307	(I.K)	O.1.76
B3308	(I.K)	O.1.77
B3309	(I.K)	O.1.78
B3310	(I.K)	O.1.79
B3311	(I.K)	O.1.80
B3312	(I.K)	O.1.81
B3313	(I.K)	O.1.82
B3314	(I.K)	O.1.83
B3315	(I.K)	O.1.84
B3316	(I.K)	O.1.85
B3317	(I.K)	O.1.86
B3318	(I.K)	O.1.87
B3319	(I.K)	O.1.88
B3320	(I.K)	O.1.89
B3321	(I.K)	O.1.90
B3322	(I.K)	O.1.91
B3323	(I.K)	O.2.1
B3324	(I.K)	O.2.2
B3325	(I.K)	O.2.3
B3326	(I.K)	O.2.4
B3327	(I.K)	O.2.5
B3328	(I.K)	O.2.6
B3329	(I.K)	O.2.7
B3330	(I.K)	O.3.1
B3331	(I.K)	O.3.2
B3332	(I.K)	O.3.3
B3333	(I.K)	O.3.4
B3334	(I.K)	O.3.5
B3335	(I.K)	O.3.6

B	I	II
B3336	(I.K)	O.3.7
B3337	(I.K)	O.3.8
B3338	(I.K)	O.3.9
B3339	(I.K)	O.3.10
B3340	(I.K)	O.3.11
B3341	(I.K)	O.3.12
B3342	(I.K)	O.3.13
B3343	(I.K)	O.3.14
B3344	(I.K)	O.3.15
B3345	(I.K)	O.3.16
B3346	(I.K)	O.3.17
B3347	(I.K)	O.3.18
B3348	(I.K)	O.3.19
B3349	(I.K)	O.3.20
B3350	(I.K)	O.3.21
B3351	(I.K)	O.3.22
B3352	(I.K)	O.3.23
B3353	(I.K)	O.3.24
B3354	(I.K)	O.3.25
B3355	(I.K)	O.3.26
B3356	(I.K)	O.3.27
B3357	(I.K)	O.3.28
B3358	(I.K)	O.3.29
B3359	(I.K)	O.3.30
B3360	(I.K)	O.3.31
B3361	(I.K)	O.3.32
B3362	(I.K)	O.3.33
B3363	(I.K)	O.3.34
B3364	(I.K)	O.3.35
B3365	(I.K)	O.3.36
B3366	(I.K)	O.3.37
B3367	(I.K)	O.3.38
B3368	(I.K)	O.3.39
B3369	(I.K)	O.3.40
B3370	(I.K)	O.3.41

B	I	II
B3371	(I.K)	O.3.42
B3372	(I.K)	O.3.43
B3373	(I.K)	O.3.44
B3374	(I.K)	O.3.45
B3375	(I.K)	O.3.46
B3376	(I.K)	O.3.47
B3377	(I.K)	O.3.48
B3378	(I.K)	O.3.49
B3379	(I.K)	O.4.1
B3380	(I.K)	O.4.2
B3381	(I.K)	O.4.3
B3382	(I.K)	O.4.4
B3383	(I.K)	O.4.5
B3384	(I.K)	O.4.6
B3385	(I.K)	O.4.7
B3386	(I.K)	O.4.8
B3387	(I.K)	O.4.9
B3388	(I.K)	O.4.10
B3389	(I.K)	O.4.11
B3390	(I.K)	O.4.12
B3391	(I.K)	O.4.13
B3392	(I.K)	O.4.14
B3393	(I.K)	O.4.15
B3394	(I.K)	O.5.1
B3395	(I.K)	O.5.2
B3396	(I.K)	O.6.1
B3397	(I.K)	O.6.2
B3398	(I.K)	O.6.3
B3399	(I.K)	O.6.4
B3400	(I.K)	O.6.5
B3401	(I.K)	O.7.1
B3402	(I.K)	O.7.2
B3403	(I.K)	O.7.3
B3404	(I.K)	O.7.4
B3405	(I.K)	O.7.5

B	I	II
B3406	(I.K)	O.8.1
B3407	(I.K)	O.8.2
B3408	(I.K)	O.8.3
B3409	(I.K)	O.8.4
B3410	(I.K)	O.8.5
B3411	(I.K)	O.9.1
B3412	(I.K)	O.9.2
B3413	(I.K)	O.10.1
B3414	(I.K)	O.10.2
B3415	(I.K)	O.10.3
B3416	(I.K)	O.10.4
B3417	(I.K)	O.11
B3418	(I.K)	O.12.1
B3419	(I.K)	O.12.2
B3420	(I.K)	O.12.3
B3421	(I.K)	O.12.4
B3422	(I.K)	O.12.5
B3423	(I.K)	O.12.6
B3424	(I.K)	O.13.1
B3425	(I.K)	O.13.2
B3426	(I.K)	O.13.3
B3427	(I.K)	O.14.1
B3428	(I.K)	O.14.2
B3429	(I.K)	O.14.3
B3430	(I.K)	O.14.4
B3431	(I.K)	O.15.1
B3432	(I.K)	O.15.2
B3433	(I.K)	O.15.3
B3434	(I.K)	O.15.4
B3435	(I.K)	O.15.5
B3436	(I.K)	O.15.6
B3437	(I.K)	O.15.7
B3438	(I.K)	O.15.8
B3439	(I.K)	O.15.9
B3440	(I.K)	O.15.10

B	I	II
B3441	(I.K)	O.15.11
B3442	(I.K)	O.16.1
B3443	(I.K)	O.17.1
B3444	(I.K)	O.18.1
B3445	(I.K)	O.18.2
B3446	(I.K)	O.18.3
B3447	(I.K)	O.18.4
B3448	(I.K)	O.18.5
B3449	(I.K)	O.19.1
B3450	(I.K)	O.20.1
B3451	(I.K)	O.20.2
B3452	(I.K)	O.20.3
B3453	(I.K)	O.20.4
B3454	(I.K)	O.21.1
B3455	(I.K)	O.21.2
B3456	(I.K)	O.21.3
B3457	(I.K)	O.21.4
B3458	(I.K)	O.21.5
B3459	(I.K)	O.21.6
B3460	(I.K)	O.21.7
B3461	(I.K)	O.22.1
B3462	(I.K)	O.22.2
B3463	(I.K)	O.22.3
B3464	(I.K)	O.22.4
B3465	(I.K)	O.23.1
B3466	(I.K)	O.23.2
B3467	(I.K)	O.23.3
B3468	(I.K)	O.23.4
B3469	(I.K)	O.24.1
B3470	(I.K)	O.24.2
B3471	(I.K)	O.24.3
B3472	(I.K)	O.24.4
B3473	(I.K)	O.24.5
B3474	(I.K)	O.25.1
B3475	(I.K)	O.25.2

B	I	II
B3476	(I.K)	O.26.1
B3477	(I.K)	O.26.2
B3478	(I.K)	O.26.3
B3479	(I.K)	O.26.4
B3480	(I.K)	O.26.5
B3481	(I.K)	O.26.6
B3482	(I.K)	O.26.7
B3483	(I.K)	O.26.8
B3484	(I.K)	O.26.9
B3485	(I.K)	O.26.10
B3486	(I.K)	O.26.11
B3487	(I.K)	O.26.12
B3488	(I.K)	O.26.13
B3489	(I.K)	O.26.14
B3490	(I.K)	O.26.15
B3491	(I.K)	O.26.16
B3492	(I.K)	O.26.17
B3493	(I.K)	O.26.18
B3494	(I.K)	O.27.1
B3495	(I.K)	O.27.2
B3496	(I.K)	O.27.3
B3497	(I.K)	O.27.4
B3498	(I.K)	O.27.5
B3499	(I.K)	O.27.6
B3500	(I.K)	O.27.7
B3501	(I.K)	O.27.8
B3502	(I.K)	O.27.9
B3503	(I.K)	O.27.10
B3504	(I.K)	O.27.11
B3505	(I.K)	O.27.12
B3506	(I.K)	O.27.13
B3507	(I.K)	O.27.14
B3508	(I.K)	O.27.15
B3509	(I.K)	O.27.16
B3510	(I.K)	O.27.17

B	I	II
B3511	(I.K)	O.27.18
B3512	(I.K)	O.27.19
B3513	(I.K)	O.27.20
B3514	(I.K)	O.27.21
B3515	(I.K)	O.27.22
B3516	(I.K)	O.27.23
B3517	(I.K)	O.27.24
B3518	(I.K)	O.27.25
B3519	(I.K)	O.27.26
B3520	(I.K)	O.27.27
B3521	(I.K)	O.27.28
B3522	(I.K)	O.27.29
B3523	(I.K)	O.27.30
B3524	(I.K)	O.27.31
B3525	(I.K)	O.27.32
B3526	(I.K)	O.27.33
B3527	(I.K)	O.27.34
B3528	(I.K)	O.27.35
B3529	(I.K)	O.27.36
B3530	(I.K)	O.27.37
B3531	(I.K)	O.27.38
B3532	(I.K)	O.27.42
B3533	(I.K)	O.27.43
B3534	(I.K)	O.27.44
B3535	(I.K)	O.27.45
B3536	(I.K)	O.27.46
B3537	(I.K)	O.27.47

B	I	II
B3538	(I.K)	O.27.48
B3539	(I.K)	O.27.49
B3540	(I.K)	O.27.50
B3541	(I.K)	O.27.51
B3542	(I.K)	O.27.52
B3543	(I.K)	O.27.53
B3544	(I.K)	O.27.54
B3545	(I.K)	O.27.55
B3546	(I.K)	O.27.56
B3547	(I.K)	O.27.57
B3548	(I.K)	O.27.58
B3549	(I.K)	O.27.59
B3550	(I.K)	O.27.60
B3551	(I.K)	O.27.61
B3552	(I.K)	O.27.62
B3553	(I.K)	O.27.63
B3554	(I.K)	O.27.64
B3555	(I.K)	O.27.65
B3556	(I.K)	O.27.66
B3557	(I.K)	O.27.67
B3558	(I.K)	O.27.68
B3559	(I.K)	O.27.69
B3560	(I.K)	O.27.70
B3561	(I.K)	O.27.71
B3562	(I.K)	O.27.72
B3563	(I.K)	O.27.73
B3564	(I.K)	O.27.74

B	I	II
B3565	(I.K)	O.27.75
B3566	(I.K)	O.27.76
B3567	(I.K)	O.27.77
B3568	(I.K)	O.27.78
B3569	(I.K)	O.27.79
B3570	(I.K)	O.27.80
B3571	(I.K)	O.27.81
B3572	(I.K)	O.27.82
B3573	(I.K)	O.27.83
B3574	(I.K)	O.27.84
B3575	(I.K)	O.27.85
B3576	(I.K)	O.27.86
B3577	(I.K)	O.27.87
B3578	(I.K)	O.27.88
B3579	(I.K)	O.27.89
B3580	(I.K)	O.27.90
B3581	(I.K)	O.27.91
B3582	(I.K)	O.27.92
B3583	(I.K)	O.27.93
B3584	(I.K)	O.27.94
B3585	(I.K)	O.27.95
B3586	(I.K)	O.27.96
B3587	(I.K)	O.27.97
B3588	(I.K)	O.27.98
B3589	(I.K)	O.27.99
B3590	(I.K)	O.29.1

Table 11:

B = Mixture; I = compound I; II = compound II

B	I	II
B3591	(I.L)	O.1.1
B3592	(I.L)	O.1.2
B3593	(I.L)	O.1.3

B	I	II
B3594	(I.L)	O.1.4
B3595	(I.L)	O.1.5
B3596	(I.L)	O.1.6

B	I	II
B3597	(I.L)	O.1.7
B3598	(I.L)	O.1.8
B3599	(I.L)	O.1.9

B	I	II
B3600	(I.L)	O.1.10
B3601	(I.L)	O.1.11
B3602	(I.L)	O.1.12
B3603	(I.L)	O.1.13
B3604	(I.L)	O.1.14
B3605	(I.L)	O.1.15
B3606	(I.L)	O.1.16
B3607	(I.L)	O.1.17
B3608	(I.L)	O.1.18
B3609	(I.L)	O.1.19
B3610	(I.L)	O.1.20
B3611	(I.L)	O.1.21
B3612	(I.L)	O.1.22
B3613	(I.L)	O.1.23
B3614	(I.L)	O.1.24
B3615	(I.L)	O.1.25
B3616	(I.L)	O.1.26
B3617	(I.L)	O.1.27
B3618	(I.L)	O.1.28
B3619	(I.L)	O.1.29
B3620	(I.L)	O.1.30
B3621	(I.L)	O.1.31
B3622	(I.L)	O.1.32
B3623	(I.L)	O.1.33
B3624	(I.L)	O.1.34
B3625	(I.L)	O.1.35
B3626	(I.L)	O.1.36
B3627	(I.L)	O.1.37
B3628	(I.L)	O.1.38
B3629	(I.L)	O.1.39
B3630	(I.L)	O.1.40
B3631	(I.L)	O.1.41
B3632	(I.L)	O.1.42
B3633	(I.L)	O.1.43
B3634	(I.L)	O.1.44

B	I	II
B3635	(I.L)	O.1.45
B3636	(I.L)	O.1.46
B3637	(I.L)	O.1.47
B3638	(I.L)	O.1.48
B3639	(I.L)	O.1.49
B3640	(I.L)	O.1.50
B3641	(I.L)	O.1.51
B3642	(I.L)	O.1.52
B3643	(I.L)	O.1.53
B3644	(I.L)	O.1.54
B3645	(I.L)	O.1.55
B3646	(I.L)	O.1.56
B3647	(I.L)	O.1.57
B3648	(I.L)	O.1.58
B3649	(I.L)	O.1.59
B3650	(I.L)	O.1.60
B3651	(I.L)	O.1.61
B3652	(I.L)	O.1.62
B3653	(I.L)	O.1.63
B3654	(I.L)	O.1.64
B3655	(I.L)	O.1.65
B3656	(I.L)	O.1.66
B3657	(I.L)	O.1.67
B3658	(I.L)	O.1.68
B3659	(I.L)	O.1.69
B3660	(I.L)	O.1.70
B3661	(I.L)	O.1.71
B3662	(I.L)	O.1.72
B3663	(I.L)	O.1.73
B3664	(I.L)	O.1.74
B3665	(I.L)	O.1.75
B3666	(I.L)	O.1.76
B3667	(I.L)	O.1.77
B3668	(I.L)	O.1.78
B3669	(I.L)	O.1.79

B	I	II
B3670	(I.L)	O.1.80
B3671	(I.L)	O.1.81
B3672	(I.L)	O.1.82
B3673	(I.L)	O.1.83
B3674	(I.L)	O.1.84
B3675	(I.L)	O.1.85
B3676	(I.L)	O.1.86
B3677	(I.L)	O.1.87
B3678	(I.L)	O.1.88
B3679	(I.L)	O.1.89
B3680	(I.L)	O.1.90
B3681	(I.L)	O.1.91
B3682	(I.L)	O.2.1
B3683	(I.L)	O.2.2
B3684	(I.L)	O.2.3
B3685	(I.L)	O.2.4
B3686	(I.L)	O.2.5
B3687	(I.L)	O.2.6
B3688	(I.L)	O.2.7
B3689	(I.L)	O.3.1
B3690	(I.L)	O.3.2
B3691	(I.L)	O.3.3
B3692	(I.L)	O.3.4
B3693	(I.L)	O.3.5
B3694	(I.L)	O.3.6
B3695	(I.L)	O.3.7
B3696	(I.L)	O.3.8
B3697	(I.L)	O.3.9
B3698	(I.L)	O.3.10
B3699	(I.L)	O.3.11
B3700	(I.L)	O.3.12
B3701	(I.L)	O.3.13
B3702	(I.L)	O.3.14
B3703	(I.L)	O.3.15
B3704	(I.L)	O.3.16

B	I	II
B3705	(I.L)	O.3.17
B3706	(I.L)	O.3.18
B3707	(I.L)	O.3.19
B3708	(I.L)	O.3.20
B3709	(I.L)	O.3.21
B3710	(I.L)	O.3.22
B3711	(I.L)	O.3.23
B3712	(I.L)	O.3.24
B3713	(I.L)	O.3.25
B3714	(I.L)	O.3.26
B3715	(I.L)	O.3.27
B3716	(I.L)	O.3.28
B3717	(I.L)	O.3.29
B3718	(I.L)	O.3.30
B3719	(I.L)	O.3.31
B3720	(I.L)	O.3.32
B3721	(I.L)	O.3.33
B3722	(I.L)	O.3.34
B3723	(I.L)	O.3.35
B3724	(I.L)	O.3.36
B3725	(I.L)	O.3.37
B3726	(I.L)	O.3.38
B3727	(I.L)	O.3.39
B3728	(I.L)	O.3.40
B3729	(I.L)	O.3.41
B3730	(I.L)	O.3.42
B3731	(I.L)	O.3.43
B3732	(I.L)	O.3.44
B3733	(I.L)	O.3.45
B3734	(I.L)	O.3.46
B3735	(I.L)	O.3.47
B3736	(I.L)	O.3.48
B3737	(I.L)	O.3.49
B3738	(I.L)	O.4.1
B3739	(I.L)	O.4.2

B	I	II
B3740	(I.L)	O.4.3
B3741	(I.L)	O.4.4
B3742	(I.L)	O.4.5
B3743	(I.L)	O.4.6
B3744	(I.L)	O.4.7
B3745	(I.L)	O.4.8
B3746	(I.L)	O.4.9
B3747	(I.L)	O.4.10
B3748	(I.L)	O.4.11
B3749	(I.L)	O.4.12
B3750	(I.L)	O.4.13
B3751	(I.L)	O.4.14
B3752	(I.L)	O.4.15
B3753	(I.L)	O.5.1
B3754	(I.L)	O.5.2
B3755	(I.L)	O.6.1
B3756	(I.L)	O.6.2
B3757	(I.L)	O.6.3
B3758	(I.L)	O.6.4
B3759	(I.L)	O.6.5
B3760	(I.L)	O.7.1
B3761	(I.L)	O.7.2
B3762	(I.L)	O.7.3
B3763	(I.L)	O.7.4
B3764	(I.L)	O.7.5
B3765	(I.L)	O.8.1
B3766	(I.L)	O.8.2
B3767	(I.L)	O.8.3
B3768	(I.L)	O.8.4
B3769	(I.L)	O.8.5
B3770	(I.L)	O.9.1
B3771	(I.L)	O.9.2
B3772	(I.L)	O.10.1
B3773	(I.L)	O.10.2
B3774	(I.L)	O.10.3

B	I	II
B3775	(I.L)	O.10.4
B3776	(I.L)	O.11
B3777	(I.L)	O.12.1
B3778	(I.L)	O.12.2
B3779	(I.L)	O.12.3
B3780	(I.L)	O.12.4
B3781	(I.L)	O.12.5
B3782	(I.L)	O.12.6
B3783	(I.L)	O.13.1
B3784	(I.L)	O.13.2
B3785	(I.L)	O.13.3
B3786	(I.L)	O.14.1
B3787	(I.L)	O.14.2
B3788	(I.L)	O.14.3
B3789	(I.L)	O.14.4
B3790	(I.L)	O.15.1
B3791	(I.L)	O.15.2
B3792	(I.L)	O.15.3
B3793	(I.L)	O.15.4
B3794	(I.L)	O.15.5
B3795	(I.L)	O.15.6
B3796	(I.L)	O.15.7
B3797	(I.L)	O.15.8
B3798	(I.L)	O.15.9
B3799	(I.L)	O.15.10
B3800	(I.L)	O.15.11
B3801	(I.L)	O.16.1
B3802	(I.L)	O.17.1
B3803	(I.L)	O.18.1
B3804	(I.L)	O.18.2
B3805	(I.L)	O.18.3
B3806	(I.L)	O.18.4
B3807	(I.L)	O.18.5
B3808	(I.L)	O.19.1
B3809	(I.L)	O.20.1

B	I	II
B3810	(I.L)	O.20.2
B3811	(I.L)	O.20.3
B3812	(I.L)	O.20.4
B3813	(I.L)	O.21.1
B3814	(I.L)	O.21.2
B3815	(I.L)	O.21.3
B3816	(I.L)	O.21.4
B3817	(I.L)	O.21.5
B3818	(I.L)	O.21.6
B3819	(I.L)	O.21.7
B3820	(I.L)	O.22.1
B3821	(I.L)	O.22.2
B3822	(I.L)	O.22.3
B3823	(I.L)	O.22.4
B3824	(I.L)	O.23.1
B3825	(I.L)	O.23.2
B3826	(I.L)	O.23.3
B3827	(I.L)	O.23.4
B3828	(I.L)	O.24.1
B3829	(I.L)	O.24.2
B3830	(I.L)	O.24.3
B3831	(I.L)	O.24.4
B3832	(I.L)	O.24.5
B3833	(I.L)	O.25.1
B3834	(I.L)	O.25.2
B3835	(I.L)	O.26.1
B3836	(I.L)	O.26.2
B3837	(I.L)	O.26.3
B3838	(I.L)	O.26.4
B3839	(I.L)	O.26.5
B3840	(I.L)	O.26.6
B3841	(I.L)	O.26.7
B3842	(I.L)	O.26.8
B3843	(I.L)	O.26.9
B3844	(I.L)	O.26.10

B	I	II
B3845	(I.L)	O.26.11
B3846	(I.L)	O.26.12
B3847	(I.L)	O.26.13
B3848	(I.L)	O.26.14
B3849	(I.L)	O.26.15
B3850	(I.L)	O.26.16
B3851	(I.L)	O.26.17
B3852	(I.L)	O.26.18
B3853	(I.L)	O.27.1
B3854	(I.L)	O.27.2
B3855	(I.L)	O.27.3
B3856	(I.L)	O.27.4
B3857	(I.L)	O.27.5
B3858	(I.L)	O.27.6
B3859	(I.L)	O.27.7
B3860	(I.L)	O.27.8
B3861	(I.L)	O.27.9
B3862	(I.L)	O.27.10
B3863	(I.L)	O.27.11
B3864	(I.L)	O.27.12
B3865	(I.L)	O.27.13
B3866	(I.L)	O.27.14
B3867	(I.L)	O.27.15
B3868	(I.L)	O.27.16
B3869	(I.L)	O.27.17
B3870	(I.L)	O.27.18
B3871	(I.L)	O.27.19
B3872	(I.L)	O.27.20
B3873	(I.L)	O.27.21
B3874	(I.L)	O.27.22
B3875	(I.L)	O.27.23
B3876	(I.L)	O.27.24
B3877	(I.L)	O.27.25
B3878	(I.L)	O.27.26
B3879	(I.L)	O.27.27

B	I	II
B3880	(I.L)	O.27.28
B3881	(I.L)	O.27.29
B3882	(I.L)	O.27.30
B3883	(I.L)	O.27.31
B3884	(I.L)	O.27.32
B3885	(I.L)	O.27.33
B3886	(I.L)	O.27.34
B3887	(I.L)	O.27.35
B3888	(I.L)	O.27.36
B3889	(I.L)	O.27.37
B3890	(I.L)	O.27.38
B3891	(I.L)	O.27.42
B3892	(I.L)	O.27.43
B3893	(I.L)	O.27.44
B3894	(I.L)	O.27.45
B3895	(I.L)	O.27.46
B3896	(I.L)	O.27.47
B3897	(I.L)	O.27.48
B3898	(I.L)	O.27.49
B3899	(I.L)	O.27.50
B3900	(I.L)	O.27.51
B3901	(I.L)	O.27.52
B3902	(I.L)	O.27.53
B3903	(I.L)	O.27.54
B3904	(I.L)	O.27.55
B3905	(I.L)	O.27.56
B3906	(I.L)	O.27.57
B3907	(I.L)	O.27.58
B3908	(I.L)	O.27.59
B3909	(I.L)	O.27.60
B3910	(I.L)	O.27.61
B3911	(I.L)	O.27.62
B3912	(I.L)	O.27.63
B3913	(I.L)	O.27.64
B3914	(I.L)	O.27.65

B	I	II
B3915	(I.L)	O.27.66
B3916	(I.L)	O.27.67
B3917	(I.L)	O.27.68
B3918	(I.L)	O.27.69
B3919	(I.L)	O.27.70
B3920	(I.L)	O.27.71
B3921	(I.L)	O.27.72
B3922	(I.L)	O.27.73
B3923	(I.L)	O.27.74
B3924	(I.L)	O.27.75
B3925	(I.L)	O.27.76
B3926	(I.L)	O.27.77

B	I	II
B3927	(I.L)	O.27.78
B3928	(I.L)	O.27.79
B3929	(I.L)	O.27.80
B3930	(I.L)	O.27.81
B3931	(I.L)	O.27.82
B3932	(I.L)	O.27.83
B3933	(I.L)	O.27.84
B3934	(I.L)	O.27.85
B3935	(I.L)	O.27.86
B3936	(I.L)	O.27.87
B3937	(I.L)	O.27.88
B3938	(I.L)	O.27.89

B	I	II
B3939	(I.L)	O.27.90
B3940	(I.L)	O.27.91
B3941	(I.L)	O.27.92
B3942	(I.L)	O.27.93
B3943	(I.L)	O.27.94
B3944	(I.L)	O.27.95
B3945	(I.L)	O.27.96
B3946	(I.L)	O.27.97
B3947	(I.L)	O.27.98
B3948	(I.L)	O.27.99
B3949	(I.L)	O.29.1

Table 12:

B = Mixture; I = compound I; II = compound II

B	I	II
B3950	(I.M)	O.1.1
B3951	(I.M)	O.1.2
B3952	(I.M)	O.1.3
B3953	(I.M)	O.1.4
B3954	(I.M)	O.1.5
B3955	(I.M)	O.1.6
B3956	(I.M)	O.1.7
B3957	(I.M)	O.1.8
B3958	(I.M)	O.1.9
B3959	(I.M)	O.1.10
B3960	(I.M)	O.1.11
B3961	(I.M)	O.1.12
B3962	(I.M)	O.1.13
B3963	(I.M)	O.1.14
B3964	(I.M)	O.1.15
B3965	(I.M)	O.1.16
B3966	(I.M)	O.1.17
B3967	(I.M)	O.1.18

B	I	II
B3968	(I.M)	O.1.19
B3969	(I.M)	O.1.20
B3970	(I.M)	O.1.21
B3971	(I.M)	O.1.22
B3972	(I.M)	O.1.23
B3973	(I.M)	O.1.24
B3974	(I.M)	O.1.25
B3975	(I.M)	O.1.26
B3976	(I.M)	O.1.27
B3977	(I.M)	O.1.28
B3978	(I.M)	O.1.29
B3979	(I.M)	O.1.30
B3980	(I.M)	O.1.31
B3981	(I.M)	O.1.32
B3982	(I.M)	O.1.33
B3983	(I.M)	O.1.34
B3984	(I.M)	O.1.35
B3985	(I.M)	O.1.36

B	I	II
B3986	(I.M)	O.1.37
B3987	(I.M)	O.1.38
B3988	(I.M)	O.1.39
B3989	(I.M)	O.1.40
B3990	(I.M)	O.1.41
B3991	(I.M)	O.1.42
B3992	(I.M)	O.1.43
B3993	(I.M)	O.1.44
B3994	(I.M)	O.1.45
B3995	(I.M)	O.1.46
B3996	(I.M)	O.1.47
B3997	(I.M)	O.1.48
B3998	(I.M)	O.1.49
B3999	(I.M)	O.1.50
B4000	(I.M)	O.1.51
B4001	(I.M)	O.1.52
B4002	(I.M)	O.1.53
B4003	(I.M)	O.1.54

B	I	II
B4004	(I.M)	O.1.55
B4005	(I.M)	O.1.56
B4006	(I.M)	O.1.57
B4007	(I.M)	O.1.58
B4008	(I.M)	O.1.59
B4009	(I.M)	O.1.60
B4010	(I.M)	O.1.61
B4011	(I.M)	O.1.62
B4012	(I.M)	O.1.63
B4013	(I.M)	O.1.64
B4014	(I.M)	O.1.65
B4015	(I.M)	O.1.66
B4016	(I.M)	O.1.67
B4017	(I.M)	O.1.68
B4018	(I.M)	O.1.69
B4019	(I.M)	O.1.70
B4020	(I.M)	O.1.71
B4021	(I.M)	O.1.72
B4022	(I.M)	O.1.73
B4023	(I.M)	O.1.74
B4024	(I.M)	O.1.75
B4025	(I.M)	O.1.76
B4026	(I.M)	O.1.77
B4027	(I.M)	O.1.78
B4028	(I.M)	O.1.79
B4029	(I.M)	O.1.80
B4030	(I.M)	O.1.81
B4031	(I.M)	O.1.82
B4032	(I.M)	O.1.83
B4033	(I.M)	O.1.84
B4034	(I.M)	O.1.85
B4035	(I.M)	O.1.86
B4036	(I.M)	O.1.87
B4037	(I.M)	O.1.88
B4038	(I.M)	O.1.89

B	I	II
B4039	(I.M)	O.1.90
B4040	(I.M)	O.1.91
B4041	(I.M)	O.2.1
B4042	(I.M)	O.2.2
B4043	(I.M)	O.2.3
B4044	(I.M)	O.2.4
B4045	(I.M)	O.2.5
B4046	(I.M)	O.2.6
B4047	(I.M)	O.2.7
B4048	(I.M)	O.3.1
B4049	(I.M)	O.3.2
B4050	(I.M)	O.3.3
B4051	(I.M)	O.3.4
B4052	(I.M)	O.3.5
B4053	(I.M)	O.3.6
B4054	(I.M)	O.3.7
B4055	(I.M)	O.3.8
B4056	(I.M)	O.3.9
B4057	(I.M)	O.3.10
B4058	(I.M)	O.3.11
B4059	(I.M)	O.3.12
B4060	(I.M)	O.3.13
B4061	(I.M)	O.3.14
B4062	(I.M)	O.3.15
B4063	(I.M)	O.3.16
B4064	(I.M)	O.3.17
B4065	(I.M)	O.3.18
B4066	(I.M)	O.3.19
B4067	(I.M)	O.3.20
B4068	(I.M)	O.3.21
B4069	(I.M)	O.3.22
B4070	(I.M)	O.3.23
B4071	(I.M)	O.3.24
B4072	(I.M)	O.3.25
B4073	(I.M)	O.3.26

B	I	II
B4074	(I.M)	O.3.27
B4075	(I.M)	O.3.28
B4076	(I.M)	O.3.29
B4077	(I.M)	O.3.30
B4078	(I.M)	O.3.31
B4079	(I.M)	O.3.32
B4080	(I.M)	O.3.33
B4081	(I.M)	O.3.34
B4082	(I.M)	O.3.35
B4083	(I.M)	O.3.36
B4084	(I.M)	O.3.37
B4085	(I.M)	O.3.38
B4086	(I.M)	O.3.39
B4087	(I.M)	O.3.40
B4088	(I.M)	O.3.41
B4089	(I.M)	O.3.42
B4090	(I.M)	O.3.43
B4091	(I.M)	O.3.44
B4092	(I.M)	O.3.45
B4093	(I.M)	O.3.46
B4094	(I.M)	O.3.47
B4095	(I.M)	O.3.48
B4096	(I.M)	O.3.49
B4097	(I.M)	O.4.1
B4098	(I.M)	O.4.2
B4099	(I.M)	O.4.3
B4100	(I.M)	O.4.4
B4101	(I.M)	O.4.5
B4102	(I.M)	O.4.6
B4103	(I.M)	O.4.7
B4104	(I.M)	O.4.8
B4105	(I.M)	O.4.9
B4106	(I.M)	O.4.10
B4107	(I.M)	O.4.11
B4108	(I.M)	O.4.12

B	I	II
B4109	(I.M)	O.4.13
B4110	(I.M)	O.4.14
B4111	(I.M)	O.4.15
B4112	(I.M)	O.5.1
B4113	(I.M)	O.5.2
B4114	(I.M)	O.6.1
B4115	(I.M)	O.6.2
B4116	(I.M)	O.6.3
B4117	(I.M)	O.6.4
B4118	(I.M)	O.6.5
B4119	(I.M)	O.7.1
B4120	(I.M)	O.7.2
B4121	(I.M)	O.7.3
B4122	(I.M)	O.7.4
B4123	(I.M)	O.7.5
B4124	(I.M)	O.8.1
B4125	(I.M)	O.8.2
B4126	(I.M)	O.8.3
B4127	(I.M)	O.8.4
B4128	(I.M)	O.8.5
B4129	(I.M)	O.9.1
B4130	(I.M)	O.9.2
B4131	(I.M)	O.10.1
B4132	(I.M)	O.10.2
B4133	(I.M)	O.10.3
B4134	(I.M)	O.10.4
B4135	(I.M)	O.11
B4136	(I.M)	O.12.1
B4137	(I.M)	O.12.2
B4138	(I.M)	O.12.3
B4139	(I.M)	O.12.4
B4140	(I.M)	O.12.5
B4141	(I.M)	O.12.6
B4142	(I.M)	O.13.1
B4143	(I.M)	O.13.2

B	I	II
B4144	(I.M)	O.13.3
B4145	(I.M)	O.14.1
B4146	(I.M)	O.14.2
B4147	(I.M)	O.14.3
B4148	(I.M)	O.14.4
B4149	(I.M)	O.15.1
B4150	(I.M)	O.15.2
B4151	(I.M)	O.15.3
B4152	(I.M)	O.15.4
B4153	(I.M)	O.15.5
B4154	(I.M)	O.15.6
B4155	(I.M)	O.15.7
B4156	(I.M)	O.15.8
B4157	(I.M)	O.15.9
B4158	(I.M)	O.15.10
B4159	(I.M)	O.15.11
B4160	(I.M)	O.16.1
B4161	(I.M)	O.17.1
B4162	(I.M)	O.18.1
B4163	(I.M)	O.18.2
B4164	(I.M)	O.18.3
B4165	(I.M)	O.18.4
B4166	(I.M)	O.18.5
B4167	(I.M)	O.19.1
B4168	(I.M)	O.20.1
B4169	(I.M)	O.20.2
B4170	(I.M)	O.20.3
B4171	(I.M)	O.20.4
B4172	(I.M)	O.21.1
B4173	(I.M)	O.21.2
B4174	(I.M)	O.21.3
B4175	(I.M)	O.21.4
B4176	(I.M)	O.21.5
B4177	(I.M)	O.21.6
B4178	(I.M)	O.21.7

B	I	II
B4179	(I.M)	O.22.1
B4180	(I.M)	O.22.2
B4181	(I.M)	O.22.3
B4182	(I.M)	O.22.4
B4183	(I.M)	O.23.1
B4184	(I.M)	O.23.2
B4185	(I.M)	O.23.3
B4186	(I.M)	O.23.4
B4187	(I.M)	O.24.1
B4188	(I.M)	O.24.2
B4189	(I.M)	O.24.3
B4190	(I.M)	O.24.4
B4191	(I.M)	O.24.5
B4192	(I.M)	O.25.1
B4193	(I.M)	O.25.2
B4194	(I.M)	O.26.1
B4195	(I.M)	O.26.2
B4196	(I.M)	O.26.3
B4197	(I.M)	O.26.4
B4198	(I.M)	O.26.5
B4199	(I.M)	O.26.6
B4200	(I.M)	O.26.7
B4201	(I.M)	O.26.8
B4202	(I.M)	O.26.9
B4203	(I.M)	O.26.10
B4204	(I.M)	O.26.11
B4205	(I.M)	O.26.12
B4206	(I.M)	O.26.13
B4207	(I.M)	O.26.14
B4208	(I.M)	O.26.15
B4209	(I.M)	O.26.16
B4210	(I.M)	O.26.17
B4211	(I.M)	O.26.18
B4212	(I.M)	O.27.1
B4213	(I.M)	O.27.2

B	I	II
B4214	(I.M)	O.27.3
B4215	(I.M)	O.27.4
B4216	(I.M)	O.27.5
B4217	(I.M)	O.27.6
B4218	(I.M)	O.27.7
B4219	(I.M)	O.27.8
B4220	(I.M)	O.27.9
B4221	(I.M)	O.27.10
B4222	(I.M)	O.27.11
B4223	(I.M)	O.27.12
B4224	(I.M)	O.27.13
B4225	(I.M)	O.27.14
B4226	(I.M)	O.27.15
B4227	(I.M)	O.27.16
B4228	(I.M)	O.27.17
B4229	(I.M)	O.27.18
B4230	(I.M)	O.27.19
B4231	(I.M)	O.27.20
B4232	(I.M)	O.27.21
B4233	(I.M)	O.27.22
B4234	(I.M)	O.27.23
B4235	(I.M)	O.27.24
B4236	(I.M)	O.27.25
B4237	(I.M)	O.27.26
B4238	(I.M)	O.27.27
B4239	(I.M)	O.27.28
B4240	(I.M)	O.27.29
B4241	(I.M)	O.27.30
B4242	(I.M)	O.27.31
B4243	(I.M)	O.27.32
B4244	(I.M)	O.27.33
B4245	(I.M)	O.27.34

B	I	II
B4246	(I.M)	O.27.35
B4247	(I.M)	O.27.36
B4248	(I.M)	O.27.37
B4249	(I.M)	O.27.38
B4250	(I.M)	O.27.42
B4251	(I.M)	O.27.43
B4252	(I.M)	O.27.44
B4253	(I.M)	O.27.45
B4254	(I.M)	O.27.46
B4255	(I.M)	O.27.47
B4256	(I.M)	O.27.48
B4257	(I.M)	O.27.49
B4258	(I.M)	O.27.50
B4259	(I.M)	O.27.51
B4260	(I.M)	O.27.52
B4261	(I.M)	O.27.53
B4262	(I.M)	O.27.54
B4263	(I.M)	O.27.55
B4264	(I.M)	O.27.56
B4265	(I.M)	O.27.57
B4266	(I.M)	O.27.58
B4267	(I.M)	O.27.59
B4268	(I.M)	O.27.60
B4269	(I.M)	O.27.61
B4270	(I.M)	O.27.62
B4271	(I.M)	O.27.63
B4272	(I.M)	O.27.64
B4273	(I.M)	O.27.65
B4274	(I.M)	O.27.66
B4275	(I.M)	O.27.67
B4276	(I.M)	O.27.68
B4277	(I.M)	O.27.69

B	I	II
B4278	(I.M)	O.27.70
B4279	(I.M)	O.27.71
B4280	(I.M)	O.27.72
B4281	(I.M)	O.27.73
B4282	(I.M)	O.27.74
B4283	(I.M)	O.27.75
B4284	(I.M)	O.27.76
B4285	(I.M)	O.27.77
B4286	(I.M)	O.27.78
B4287	(I.M)	O.27.79
B4288	(I.M)	O.27.80
B4289	(I.M)	O.27.81
B4290	(I.M)	O.27.82
B4291	(I.M)	O.27.83
B4292	(I.M)	O.27.84
B4293	(I.M)	O.27.85
B4294	(I.M)	O.27.86
B4295	(I.M)	O.27.87
B4296	(I.M)	O.27.88
B4297	(I.M)	O.27.89
B4298	(I.M)	O.27.90
B4299	(I.M)	O.27.91
B4300	(I.M)	O.27.92
B4301	(I.M)	O.27.93
B4302	(I.M)	O.27.94
B4303	(I.M)	O.27.95
B4304	(I.M)	O.27.96
B4305	(I.M)	O.27.97
B4306	(I.M)	O.27.98
B4307	(I.M)	O.27.99
B4308	(I.M)	O.29.1

Table 13:

B = Mixture; I = compound I; II = compound II

B	I	II
B4309	(I.N)	O.1.1
B4310	(I.N)	O.1.2
B4311	(I.N)	O.1.3
B4312	(I.N)	O.1.4
B4313	(I.N)	O.1.5
B4314	(I.N)	O.1.6
B4315	(I.N)	O.1.7
B4316	(I.N)	O.1.8
B4317	(I.N)	O.1.9
B4318	(I.N)	O.1.10
B4319	(I.N)	O.1.11
B4320	(I.N)	O.1.12
B4321	(I.N)	O.1.13
B4322	(I.N)	O.1.14
B4323	(I.N)	O.1.15
B4324	(I.N)	O.1.16
B4325	(I.N)	O.1.17
B4326	(I.N)	O.1.18
B4327	(I.N)	O.1.19
B4328	(I.N)	O.1.20
B4329	(I.N)	O.1.21
B4330	(I.N)	O.1.22
B4331	(I.N)	O.1.23
B4332	(I.N)	O.1.24
B4333	(I.N)	O.1.25
B4334	(I.N)	O.1.26
B4335	(I.N)	O.1.27
B4336	(I.N)	O.1.28
B4337	(I.N)	O.1.29
B4338	(I.N)	O.1.30
B4339	(I.N)	O.1.31
B4340	(I.N)	O.1.32
B4341	(I.N)	O.1.33
B4342	(I.N)	O.1.34

B	I	II
B4343	(I.N)	O.1.35
B4344	(I.N)	O.1.36
B4345	(I.N)	O.1.37
B4346	(I.N)	O.1.38
B4347	(I.N)	O.1.39
B4348	(I.N)	O.1.40
B4349	(I.N)	O.1.41
B4350	(I.N)	O.1.42
B4351	(I.N)	O.1.43
B4352	(I.N)	O.1.44
B4353	(I.N)	O.1.45
B4354	(I.N)	O.1.46
B4355	(I.N)	O.1.47
B4356	(I.N)	O.1.48
B4357	(I.N)	O.1.49
B4358	(I.N)	O.1.50
B4359	(I.N)	O.1.51
B4360	(I.N)	O.1.52
B4361	(I.N)	O.1.53
B4362	(I.N)	O.1.54
B4363	(I.N)	O.1.55
B4364	(I.N)	O.1.56
B4365	(I.N)	O.1.57
B4366	(I.N)	O.1.58
B4367	(I.N)	O.1.59
B4368	(I.N)	O.1.60
B4369	(I.N)	O.1.61
B4370	(I.N)	O.1.62
B4371	(I.N)	O.1.63
B4372	(I.N)	O.1.64
B4373	(I.N)	O.1.65
B4374	(I.N)	O.1.66
B4375	(I.N)	O.1.67
B4376	(I.N)	O.1.68

B	I	II
B4377	(I.N)	O.1.69
B4378	(I.N)	O.1.70
B4379	(I.N)	O.1.71
B4380	(I.N)	O.1.72
B4381	(I.N)	O.1.73
B4382	(I.N)	O.1.74
B4383	(I.N)	O.1.75
B4384	(I.N)	O.1.76
B4385	(I.N)	O.1.77
B4386	(I.N)	O.1.78
B4387	(I.N)	O.1.79
B4388	(I.N)	O.1.80
B4389	(I.N)	O.1.81
B4390	(I.N)	O.1.82
B4391	(I.N)	O.1.83
B4392	(I.N)	O.1.84
B4393	(I.N)	O.1.85
B4394	(I.N)	O.1.86
B4395	(I.N)	O.1.87
B4396	(I.N)	O.1.88
B4397	(I.N)	O.1.89
B4398	(I.N)	O.1.90
B4399	(I.N)	O.1.91
B4400	(I.N)	O.2.1
B4401	(I.N)	O.2.2
B4402	(I.N)	O.2.3
B4403	(I.N)	O.2.4
B4404	(I.N)	O.2.5
B4405	(I.N)	O.2.6
B4406	(I.N)	O.2.7
B4407	(I.N)	O.3.1
B4408	(I.N)	O.3.2
B4409	(I.N)	O.3.3
B4410	(I.N)	O.3.4

B	I	II
B4411	(I.N)	O.3.5
B4412	(I.N)	O.3.6
B4413	(I.N)	O.3.7
B4414	(I.N)	O.3.8
B4415	(I.N)	O.3.9
B4416	(I.N)	O.3.10
B4417	(I.N)	O.3.11
B4418	(I.N)	O.3.12
B4419	(I.N)	O.3.13
B4420	(I.N)	O.3.14
B4421	(I.N)	O.3.15
B4422	(I.N)	O.3.16
B4423	(I.N)	O.3.17
B4424	(I.N)	O.3.18
B4425	(I.N)	O.3.19
B4426	(I.N)	O.3.20
B4427	(I.N)	O.3.21
B4428	(I.N)	O.3.22
B4429	(I.N)	O.3.23
B4430	(I.N)	O.3.24
B4431	(I.N)	O.3.25
B4432	(I.N)	O.3.26
B4433	(I.N)	O.3.27
B4434	(I.N)	O.3.28
B4435	(I.N)	O.3.29
B4436	(I.N)	O.3.30
B4437	(I.N)	O.3.31
B4438	(I.N)	O.3.32
B4439	(I.N)	O.3.33
B4440	(I.N)	O.3.34
B4441	(I.N)	O.3.35
B4442	(I.N)	O.3.36
B4443	(I.N)	O.3.37
B4444	(I.N)	O.3.38
B4445	(I.N)	O.3.39

B	I	II
B4446	(I.N)	O.3.40
B4447	(I.N)	O.3.41
B4448	(I.N)	O.3.42
B4449	(I.N)	O.3.43
B4450	(I.N)	O.3.44
B4451	(I.N)	O.3.45
B4452	(I.N)	O.3.46
B4453	(I.N)	O.3.47
B4454	(I.N)	O.3.48
B4455	(I.N)	O.3.49
B4456	(I.N)	O.4.1
B4457	(I.N)	O.4.2
B4458	(I.N)	O.4.3
B4459	(I.N)	O.4.4
B4460	(I.N)	O.4.5
B4461	(I.N)	O.4.6
B4462	(I.N)	O.4.7
B4463	(I.N)	O.4.8
B4464	(I.N)	O.4.9
B4465	(I.N)	O.4.10
B4466	(I.N)	O.4.11
B4467	(I.N)	O.4.12
B4468	(I.N)	O.4.13
B4469	(I.N)	O.4.14
B4470	(I.N)	O.4.15
B4471	(I.N)	O.5.1
B4472	(I.N)	O.5.2
B4473	(I.N)	O.6.1
B4474	(I.N)	O.6.2
B4475	(I.N)	O.6.3
B4476	(I.N)	O.6.4
B4477	(I.N)	O.6.5
B4478	(I.N)	O.7.1
B4479	(I.N)	O.7.2
B4480	(I.N)	O.7.3

B	I	II
B4481	(I.N)	O.7.4
B4482	(I.N)	O.7.5
B4483	(I.N)	O.8.1
B4484	(I.N)	O.8.2
B4485	(I.N)	O.8.3
B4486	(I.N)	O.8.4
B4487	(I.N)	O.8.5
B4488	(I.N)	O.9.1
B4489	(I.N)	O.9.2
B4490	(I.N)	O.10.1
B4491	(I.N)	O.10.2
B4492	(I.N)	O.10.3
B4493	(I.N)	O.10.4
B4494	(I.N)	O.11
B4495	(I.N)	O.12.1
B4496	(I.N)	O.12.2
B4497	(I.N)	O.12.3
B4498	(I.N)	O.12.4
B4499	(I.N)	O.12.5
B4500	(I.N)	O.12.6
B4501	(I.N)	O.13.1
B4502	(I.N)	O.13.2
B4503	(I.N)	O.13.3
B4504	(I.N)	O.14.1
B4505	(I.N)	O.14.2
B4506	(I.N)	O.14.3
B4507	(I.N)	O.14.4
B4508	(I.N)	O.15.1
B4509	(I.N)	O.15.2
B4510	(I.N)	O.15.3
B4511	(I.N)	O.15.4
B4512	(I.N)	O.15.5
B4513	(I.N)	O.15.6
B4514	(I.N)	O.15.7
B4515	(I.N)	O.15.8

B	I	II
B4516	(I.N)	O.15.9
B4517	(I.N)	O.15.10
B4518	(I.N)	O.15.11
B4519	(I.N)	O.16.1
B4520	(I.N)	O.17.1
B4521	(I.N)	O.18.1
B4522	(I.N)	O.18.2
B4523	(I.N)	O.18.3
B4524	(I.N)	O.18.4
B4525	(I.N)	O.18.5
B4526	(I.N)	O.19.1
B4527	(I.N)	O.20.1
B4528	(I.N)	O.20.2
B4529	(I.N)	O.20.3
B4530	(I.N)	O.20.4
B4531	(I.N)	O.21.1
B4532	(I.N)	O.21.2
B4533	(I.N)	O.21.3
B4534	(I.N)	O.21.4
B4535	(I.N)	O.21.5
B4536	(I.N)	O.21.6
B4537	(I.N)	O.21.7
B4538	(I.N)	O.22.1
B4539	(I.N)	O.22.2
B4540	(I.N)	O.22.3
B4541	(I.N)	O.22.4
B4542	(I.N)	O.23.1
B4543	(I.N)	O.23.2
B4544	(I.N)	O.23.3
B4545	(I.N)	O.23.4
B4546	(I.N)	O.24.1
B4547	(I.N)	O.24.2
B4548	(I.N)	O.24.3
B4549	(I.N)	O.24.4
B4550	(I.N)	O.24.5

B	I	II
B4551	(I.N)	O.25.1
B4552	(I.N)	O.25.2
B4553	(I.N)	O.26.1
B4554	(I.N)	O.26.2
B4555	(I.N)	O.26.3
B4556	(I.N)	O.26.4
B4557	(I.N)	O.26.5
B4558	(I.N)	O.26.6
B4559	(I.N)	O.26.7
B4560	(I.N)	O.26.8
B4561	(I.N)	O.26.9
B4562	(I.N)	O.26.10
B4563	(I.N)	O.26.11
B4564	(I.N)	O.26.12
B4565	(I.N)	O.26.13
B4566	(I.N)	O.26.14
B4567	(I.N)	O.26.15
B4568	(I.N)	O.26.16
B4569	(I.N)	O.26.17
B4570	(I.N)	O.26.18
B4571	(I.N)	O.27.1
B4572	(I.N)	O.27.2
B4573	(I.N)	O.27.3
B4574	(I.N)	O.27.4
B4575	(I.N)	O.27.5
B4576	(I.N)	O.27.6
B4577	(I.N)	O.27.7
B4578	(I.N)	O.27.8
B4579	(I.N)	O.27.9
B4580	(I.N)	O.27.10
B4581	(I.N)	O.27.11
B4582	(I.N)	O.27.12
B4583	(I.N)	O.27.13
B4584	(I.N)	O.27.14
B4585	(I.N)	O.27.15

B	I	II
B4586	(I.N)	O.27.16
B4587	(I.N)	O.27.17
B4588	(I.N)	O.27.18
B4589	(I.N)	O.27.19
B4590	(I.N)	O.27.20
B4591	(I.N)	O.27.21
B4592	(I.N)	O.27.22
B4593	(I.N)	O.27.23
B4594	(I.N)	O.27.24
B4595	(I.N)	O.27.25
B4596	(I.N)	O.27.26
B4597	(I.N)	O.27.27
B4598	(I.N)	O.27.28
B4599	(I.N)	O.27.29
B4600	(I.N)	O.27.30
B4601	(I.N)	O.27.31
B4602	(I.N)	O.27.32
B4603	(I.N)	O.27.33
B4604	(I.N)	O.27.34
B4605	(I.N)	O.27.35
B4606	(I.N)	O.27.36
B4607	(I.N)	O.27.37
B4608	(I.N)	O.27.38
B4609	(I.N)	O.27.42
B4610	(I.N)	O.27.43
B4611	(I.N)	O.27.44
B4612	(I.N)	O.27.45
B4613	(I.N)	O.27.46
B4614	(I.N)	O.27.47
B4615	(I.N)	O.27.48
B4616	(I.N)	O.27.49
B4617	(I.N)	O.27.50
B4618	(I.N)	O.27.51
B4619	(I.N)	O.27.52
B4620	(I.N)	O.27.53

B	I	II
B4621	(I.N)	O.27.54
B4622	(I.N)	O.27.55
B4623	(I.N)	O.27.56
B4624	(I.N)	O.27.57
B4625	(I.N)	O.27.58
B4626	(I.N)	O.27.59
B4627	(I.N)	O.27.60
B4628	(I.N)	O.27.61
B4629	(I.N)	O.27.62
B4630	(I.N)	O.27.63
B4631	(I.N)	O.27.64
B4632	(I.N)	O.27.65
B4633	(I.N)	O.27.66
B4634	(I.N)	O.27.67
B4635	(I.N)	O.27.68
B4636	(I.N)	O.27.69

B	I	II
B4637	(I.N)	O.27.70
B4638	(I.N)	O.27.71
B4639	(I.N)	O.27.72
B4640	(I.N)	O.27.73
B4641	(I.N)	O.27.74
B4642	(I.N)	O.27.75
B4643	(I.N)	O.27.76
B4644	(I.N)	O.27.77
B4645	(I.N)	O.27.78
B4646	(I.N)	O.27.79
B4647	(I.N)	O.27.80
B4648	(I.N)	O.27.81
B4649	(I.N)	O.27.82
B4650	(I.N)	O.27.83
B4651	(I.N)	O.27.84
B4652	(I.N)	O.27.85

B	I	II
B4653	(I.N)	O.27.86
B4654	(I.N)	O.27.87
B4655	(I.N)	O.27.88
B4656	(I.N)	O.27.89
B4657	(I.N)	O.27.90
B4658	(I.N)	O.27.91
B4659	(I.N)	O.27.92
B4660	(I.N)	O.27.93
B4661	(I.N)	O.27.94
B4662	(I.N)	O.27.95
B4663	(I.N)	O.27.96
B4664	(I.N)	O.27.97
B4665	(I.N)	O.27.98
B4666	(I.N)	O.27.99
B4667	(I.N)	O.29.1

Table 14:

B = Mixture; I = compound I; II = compound II

B	I	II
B4668	(I.O)	O.1.1
B4669	(I.O)	O.1.2
B4670	(I.O)	O.1.3
B4671	(I.O)	O.1.4
B4672	(I.O)	O.1.5
B4673	(I.O)	O.1.6
B4674	(I.O)	O.1.7
B4675	(I.O)	O.1.8
B4676	(I.O)	O.1.9
B4677	(I.O)	O.1.10
B4678	(I.O)	O.1.11
B4679	(I.O)	O.1.12
B4680	(I.O)	O.1.13
B4681	(I.O)	O.1.14

B	I	II
B4682	(I.O)	O.1.15
B4683	(I.O)	O.1.16
B4684	(I.O)	O.1.17
B4685	(I.O)	O.1.18
B4686	(I.O)	O.1.19
B4687	(I.O)	O.1.20
B4688	(I.O)	O.1.21
B4689	(I.O)	O.1.22
B4690	(I.O)	O.1.23
B4691	(I.O)	O.1.24
B4692	(I.O)	O.1.25
B4693	(I.O)	O.1.26
B4694	(I.O)	O.1.27
B4695	(I.O)	O.1.28

B	I	II
B4696	(I.O)	O.1.29
B4697	(I.O)	O.1.30
B4698	(I.O)	O.1.31
B4699	(I.O)	O.1.32
B4700	(I.O)	O.1.33
B4701	(I.O)	O.1.34
B4702	(I.O)	O.1.35
B4703	(I.O)	O.1.36
B4704	(I.O)	O.1.37
B4705	(I.O)	O.1.38
B4706	(I.O)	O.1.39
B4707	(I.O)	O.1.40
B4708	(I.O)	O.1.41
B4709	(I.O)	O.1.42

B	I	II
B4710	(I.O)	O.1.43
B4711	(I.O)	O.1.44
B4712	(I.O)	O.1.45
B4713	(I.O)	O.1.46
B4714	(I.O)	O.1.47
B4715	(I.O)	O.1.48
B4716	(I.O)	O.1.49
B4717	(I.O)	O.1.50
B4718	(I.O)	O.1.51
B4719	(I.O)	O.1.52
B4720	(I.O)	O.1.53
B4721	(I.O)	O.1.54
B4722	(I.O)	O.1.55
B4723	(I.O)	O.1.56
B4724	(I.O)	O.1.57
B4725	(I.O)	O.1.58
B4726	(I.O)	O.1.59
B4727	(I.O)	O.1.60
B4728	(I.O)	O.1.61
B4729	(I.O)	O.1.62
B4730	(I.O)	O.1.63
B4731	(I.O)	O.1.64
B4732	(I.O)	O.1.65
B4733	(I.O)	O.1.66
B4734	(I.O)	O.1.67
B4735	(I.O)	O.1.68
B4736	(I.O)	O.1.69
B4737	(I.O)	O.1.70
B4738	(I.O)	O.1.71
B4739	(I.O)	O.1.72
B4740	(I.O)	O.1.73
B4741	(I.O)	O.1.74
B4742	(I.O)	O.1.75
B4743	(I.O)	O.1.76
B4744	(I.O)	O.1.77

B	I	II
B4745	(I.O)	O.1.78
B4746	(I.O)	O.1.79
B4747	(I.O)	O.1.80
B4748	(I.O)	O.1.81
B4749	(I.O)	O.1.82
B4750	(I.O)	O.1.83
B4751	(I.O)	O.1.84
B4752	(I.O)	O.1.85
B4753	(I.O)	O.1.86
B4754	(I.O)	O.1.87
B4755	(I.O)	O.1.88
B4756	(I.O)	O.1.89
B4757	(I.O)	O.1.90
B4758	(I.O)	O.1.91
B4759	(I.O)	O.2.1
B4760	(I.O)	O.2.2
B4761	(I.O)	O.2.3
B4762	(I.O)	O.2.4
B4763	(I.O)	O.2.5
B4764	(I.O)	O.2.6
B4765	(I.O)	O.2.7
B4766	(I.O)	O.3.1
B4767	(I.O)	O.3.2
B4768	(I.O)	O.3.3
B4769	(I.O)	O.3.4
B4770	(I.O)	O.3.5
B4771	(I.O)	O.3.6
B4772	(I.O)	O.3.7
B4773	(I.O)	O.3.8
B4774	(I.O)	O.3.9
B4775	(I.O)	O.3.10
B4776	(I.O)	O.3.11
B4777	(I.O)	O.3.12
B4778	(I.O)	O.3.13
B4779	(I.O)	O.3.14

B	I	II
B4780	(I.O)	O.3.15
B4781	(I.O)	O.3.16
B4782	(I.O)	O.3.17
B4783	(I.O)	O.3.18
B4784	(I.O)	O.3.19
B4785	(I.O)	O.3.20
B4786	(I.O)	O.3.21
B4787	(I.O)	O.3.22
B4788	(I.O)	O.3.23
B4789	(I.O)	O.3.24
B4790	(I.O)	O.3.25
B4791	(I.O)	O.3.26
B4792	(I.O)	O.3.27
B4793	(I.O)	O.3.28
B4794	(I.O)	O.3.29
B4795	(I.O)	O.3.30
B4796	(I.O)	O.3.31
B4797	(I.O)	O.3.32
B4798	(I.O)	O.3.33
B4799	(I.O)	O.3.34
B4800	(I.O)	O.3.35
B4801	(I.O)	O.3.36
B4802	(I.O)	O.3.37
B4803	(I.O)	O.3.38
B4804	(I.O)	O.3.39
B4805	(I.O)	O.3.40
B4806	(I.O)	O.3.41
B4807	(I.O)	O.3.42
B4808	(I.O)	O.3.43
B4809	(I.O)	O.3.44
B4810	(I.O)	O.3.45
B4811	(I.O)	O.3.46
B4812	(I.O)	O.3.47
B4813	(I.O)	O.3.48
B4814	(I.O)	O.3.49

B	I	II
B4815	(I.O)	O.4.1
B4816	(I.O)	O.4.2
B4817	(I.O)	O.4.3
B4818	(I.O)	O.4.4
B4819	(I.O)	O.4.5
B4820	(I.O)	O.4.6
B4821	(I.O)	O.4.7
B4822	(I.O)	O.4.8
B4823	(I.O)	O.4.9
B4824	(I.O)	O.4.10
B4825	(I.O)	O.4.11
B4826	(I.O)	O.4.12
B4827	(I.O)	O.4.13
B4828	(I.O)	O.4.14
B4829	(I.O)	O.4.15
B4830	(I.O)	O.5.1
B4831	(I.O)	O.5.2
B4832	(I.O)	O.6.1
B4833	(I.O)	O.6.2
B4834	(I.O)	O.6.3
B4835	(I.O)	O.6.4
B4836	(I.O)	O.6.5
B4837	(I.O)	O.7.1
B4838	(I.O)	O.7.2
B4839	(I.O)	O.7.3
B4840	(I.O)	O.7.4
B4841	(I.O)	O.7.5
B4842	(I.O)	O.8.1
B4843	(I.O)	O.8.2
B4844	(I.O)	O.8.3
B4845	(I.O)	O.8.4
B4846	(I.O)	O.8.5
B4847	(I.O)	O.9.1
B4848	(I.O)	O.9.2
B4849	(I.O)	O.10.1

B	I	II
B4850	(I.O)	O.10.2
B4851	(I.O)	O.10.3
B4852	(I.O)	O.10.4
B4853	(I.O)	O.11
B4854	(I.O)	O.12.1
B4855	(I.O)	O.12.2
B4856	(I.O)	O.12.3
B4857	(I.O)	O.12.4
B4858	(I.O)	O.12.5
B4859	(I.O)	O.12.6
B4860	(I.O)	O.13.1
B4861	(I.O)	O.13.2
B4862	(I.O)	O.13.3
B4863	(I.O)	O.14.1
B4864	(I.O)	O.14.2
B4865	(I.O)	O.14.3
B4866	(I.O)	O.14.4
B4867	(I.O)	O.15.1
B4868	(I.O)	O.15.2
B4869	(I.O)	O.15.3
B4870	(I.O)	O.15.4
B4871	(I.O)	O.15.5
B4872	(I.O)	O.15.6
B4873	(I.O)	O.15.7
B4874	(I.O)	O.15.8
B4875	(I.O)	O.15.9
B4876	(I.O)	O.15.10
B4877	(I.O)	O.15.11
B4878	(I.O)	O.16.1
B4879	(I.O)	O.17.1
B4880	(I.O)	O.18.1
B4881	(I.O)	O.18.2
B4882	(I.O)	O.18.3
B4883	(I.O)	O.18.4
B4884	(I.O)	O.18.5

B	I	II
B4885	(I.O)	O.19.1
B4886	(I.O)	O.20.1
B4887	(I.O)	O.20.2
B4888	(I.O)	O.20.3
B4889	(I.O)	O.20.4
B4890	(I.O)	O.21.1
B4891	(I.O)	O.21.2
B4892	(I.O)	O.21.3
B4893	(I.O)	O.21.4
B4894	(I.O)	O.21.5
B4895	(I.O)	O.21.6
B4896	(I.O)	O.21.7
B4897	(I.O)	O.22.1
B4898	(I.O)	O.22.2
B4899	(I.O)	O.22.3
B4900	(I.O)	O.22.4
B4901	(I.O)	O.23.1
B4902	(I.O)	O.23.2
B4903	(I.O)	O.23.3
B4904	(I.O)	O.23.4
B4905	(I.O)	O.24.1
B4906	(I.O)	O.24.2
B4907	(I.O)	O.24.3
B4908	(I.O)	O.24.4
B4909	(I.O)	O.24.5
B4910	(I.O)	O.25.1
B4911	(I.O)	O.25.2
B4912	(I.O)	O.26.1
B4913	(I.O)	O.26.2
B4914	(I.O)	O.26.3
B4915	(I.O)	O.26.4
B4916	(I.O)	O.26.5
B4917	(I.O)	O.26.6
B4918	(I.O)	O.26.7
B4919	(I.O)	O.26.8

B	I	II
B4920	(I.O)	O.26.9
B4921	(I.O)	O.26.10
B4922	(I.O)	O.26.11
B4923	(I.O)	O.26.12
B4924	(I.O)	O.26.13
B4925	(I.O)	O.26.14
B4926	(I.O)	O.26.15
B4927	(I.O)	O.26.16
B4928	(I.O)	O.26.17
B4929	(I.O)	O.26.18
B4930	(I.O)	O.27.1
B4931	(I.O)	O.27.2
B4932	(I.O)	O.27.3
B4933	(I.O)	O.27.4
B4934	(I.O)	O.27.5
B4935	(I.O)	O.27.6
B4936	(I.O)	O.27.7
B4937	(I.O)	O.27.8
B4938	(I.O)	O.27.9
B4939	(I.O)	O.27.10
B4940	(I.O)	O.27.11
B4941	(I.O)	O.27.12
B4942	(I.O)	O.27.13
B4943	(I.O)	O.27.14
B4944	(I.O)	O.27.15
B4945	(I.O)	O.27.16
B4946	(I.O)	O.27.17
B4947	(I.O)	O.27.18
B4948	(I.O)	O.27.19
B4949	(I.O)	O.27.20
B4950	(I.O)	O.27.21
B4951	(I.O)	O.27.22
B4952	(I.O)	O.27.23
B4953	(I.O)	O.27.24
B4954	(I.O)	O.27.25

B	I	II
B4955	(I.O)	O.27.26
B4956	(I.O)	O.27.27
B4957	(I.O)	O.27.28
B4958	(I.O)	O.27.29
B4959	(I.O)	O.27.30
B4960	(I.O)	O.27.31
B4961	(I.O)	O.27.32
B4962	(I.O)	O.27.33
B4963	(I.O)	O.27.34
B4964	(I.O)	O.27.35
B4965	(I.O)	O.27.36
B4966	(I.O)	O.27.37
B4967	(I.O)	O.27.38
B4968	(I.O)	O.27.42
B4969	(I.O)	O.27.43
B4970	(I.O)	O.27.44
B4971	(I.O)	O.27.45
B4972	(I.O)	O.27.46
B4973	(I.O)	O.27.47
B4974	(I.O)	O.27.48
B4975	(I.O)	O.27.49
B4976	(I.O)	O.27.50
B4977	(I.O)	O.27.51
B4978	(I.O)	O.27.52
B4979	(I.O)	O.27.53
B4980	(I.O)	O.27.54
B4981	(I.O)	O.27.55
B4982	(I.O)	O.27.56
B4983	(I.O)	O.27.57
B4984	(I.O)	O.27.58
B4985	(I.O)	O.27.59
B4986	(I.O)	O.27.60
B4987	(I.O)	O.27.61
B4988	(I.O)	O.27.62
B4989	(I.O)	O.27.63

B	I	II
B4990	(I.O)	O.27.64
B4991	(I.O)	O.27.65
B4992	(I.O)	O.27.66
B4993	(I.O)	O.27.67
B4994	(I.O)	O.27.68
B4995	(I.O)	O.27.69
B4996	(I.O)	O.27.70
B4997	(I.O)	O.27.71
B4998	(I.O)	O.27.72
B4999	(I.O)	O.27.73
B5000	(I.O)	O.27.74
B5001	(I.O)	O.27.75
B5002	(I.O)	O.27.76
B5003	(I.O)	O.27.77
B5004	(I.O)	O.27.78
B5005	(I.O)	O.27.79
B5006	(I.O)	O.27.80
B5007	(I.O)	O.27.81
B5008	(I.O)	O.27.82
B5009	(I.O)	O.27.83
B5010	(I.O)	O.27.84
B5011	(I.O)	O.27.85
B5012	(I.O)	O.27.86
B5013	(I.O)	O.27.87
B5014	(I.O)	O.27.88
B5015	(I.O)	O.27.89
B5016	(I.O)	O.27.90
B5017	(I.O)	O.27.91
B5018	(I.O)	O.27.92
B5019	(I.O)	O.27.93
B5020	(I.O)	O.27.94
B5021	(I.O)	O.27.95
B5022	(I.O)	O.27.96
B5023	(I.O)	O.27.97
B5024	(I.O)	O.27.98

B	I	II
B5025	(I.O)	O.27.99

B	I	II
B5026	(I.O)	O.29.1

Table 15:

B = Mixture; I = compound I; II = compound II

B	I	II
B5027	(I.P)	O.1.1
B5028	(I.P)	O.1.2
B5029	(I.P)	O.1.3
B5030	(I.P)	O.1.4
B5031	(I.P)	O.1.5
B5032	(I.P)	O.1.6
B5033	(I.P)	O.1.7
B5034	(I.P)	O.1.8
B5035	(I.P)	O.1.9
B5036	(I.P)	O.1.10
B5037	(I.P)	O.1.11
B5038	(I.P)	O.1.12
B5039	(I.P)	O.1.13
B5040	(I.P)	O.1.14
B5041	(I.P)	O.1.15
B5042	(I.P)	O.1.16
B5043	(I.P)	O.1.17
B5044	(I.P)	O.1.18
B5045	(I.P)	O.1.19
B5046	(I.P)	O.1.20
B5047	(I.P)	O.1.21
B5048	(I.P)	O.1.22
B5049	(I.P)	O.1.23
B5050	(I.P)	O.1.24
B5051	(I.P)	O.1.25
B5052	(I.P)	O.1.26
B5053	(I.P)	O.1.27
B5054	(I.P)	O.1.28
B5055	(I.P)	O.1.29

B	I	II
B5056	(I.P)	O.1.30
B5057	(I.P)	O.1.31
B5058	(I.P)	O.1.32
B5059	(I.P)	O.1.33
B5060	(I.P)	O.1.34
B5061	(I.P)	O.1.35
B5062	(I.P)	O.1.36
B5063	(I.P)	O.1.37
B5064	(I.P)	O.1.38
B5065	(I.P)	O.1.39
B5066	(I.P)	O.1.40
B5067	(I.P)	O.1.41
B5068	(I.P)	O.1.42
B5069	(I.P)	O.1.43
B5070	(I.P)	O.1.44
B5071	(I.P)	O.1.45
B5072	(I.P)	O.1.46
B5073	(I.P)	O.1.47
B5074	(I.P)	O.1.48
B5075	(I.P)	O.1.49
B5076	(I.P)	O.1.50
B5077	(I.P)	O.1.51
B5078	(I.P)	O.1.52
B5079	(I.P)	O.1.53
B5080	(I.P)	O.1.54
B5081	(I.P)	O.1.55
B5082	(I.P)	O.1.56
B5083	(I.P)	O.1.57
B5084	(I.P)	O.1.58

B	I	II
B5085	(I.P)	O.1.59
B5086	(I.P)	O.1.60
B5087	(I.P)	O.1.61
B5088	(I.P)	O.1.62
B5089	(I.P)	O.1.63
B5090	(I.P)	O.1.64
B5091	(I.P)	O.1.65
B5092	(I.P)	O.1.66
B5093	(I.P)	O.1.67
B5094	(I.P)	O.1.68
B5095	(I.P)	O.1.69
B5096	(I.P)	O.1.70
B5097	(I.P)	O.1.71
B5098	(I.P)	O.1.72
B5099	(I.P)	O.1.73
B5100	(I.P)	O.1.74
B5101	(I.P)	O.1.75
B5102	(I.P)	O.1.76
B5103	(I.P)	O.1.77
B5104	(I.P)	O.1.78
B5105	(I.P)	O.1.79
B5106	(I.P)	O.1.80
B5107	(I.P)	O.1.81
B5108	(I.P)	O.1.82
B5109	(I.P)	O.1.83
B5110	(I.P)	O.1.84
B5111	(I.P)	O.1.85
B5112	(I.P)	O.1.86
B5113	(I.P)	O.1.87

B	I	II
B5114	(I.P)	O.1.88
B5115	(I.P)	O.1.89
B5116	(I.P)	O.1.90
B5117	(I.P)	O.1.91
B5118	(I.P)	O.2.1
B5119	(I.P)	O.2.2
B5120	(I.P)	O.2.3
B5121	(I.P)	O.2.4
B5122	(I.P)	O.2.5
B5123	(I.P)	O.2.6
B5124	(I.P)	O.2.7
B5125	(I.P)	O.3.1
B5126	(I.P)	O.3.2
B5127	(I.P)	O.3.3
B5128	(I.P)	O.3.4
B5129	(I.P)	O.3.5
B5130	(I.P)	O.3.6
B5131	(I.P)	O.3.7
B5132	(I.P)	O.3.8
B5133	(I.P)	O.3.9
B5134	(I.P)	O.3.10
B5135	(I.P)	O.3.11
B5136	(I.P)	O.3.12
B5137	(I.P)	O.3.13
B5138	(I.P)	O.3.14
B5139	(I.P)	O.3.15
B5140	(I.P)	O.3.16
B5141	(I.P)	O.3.17
B5142	(I.P)	O.3.18
B5143	(I.P)	O.3.19
B5144	(I.P)	O.3.20
B5145	(I.P)	O.3.21
B5146	(I.P)	O.3.22
B5147	(I.P)	O.3.23
B5148	(I.P)	O.3.24

B	I	II
B5149	(I.P)	O.3.25
B5150	(I.P)	O.3.26
B5151	(I.P)	O.3.27
B5152	(I.P)	O.3.28
B5153	(I.P)	O.3.29
B5154	(I.P)	O.3.30
B5155	(I.P)	O.3.31
B5156	(I.P)	O.3.32
B5157	(I.P)	O.3.33
B5158	(I.P)	O.3.34
B5159	(I.P)	O.3.35
B5160	(I.P)	O.3.36
B5161	(I.P)	O.3.37
B5162	(I.P)	O.3.38
B5163	(I.P)	O.3.39
B5164	(I.P)	O.3.40
B5165	(I.P)	O.3.41
B5166	(I.P)	O.3.42
B5167	(I.P)	O.3.43
B5168	(I.P)	O.3.44
B5169	(I.P)	O.3.45
B5170	(I.P)	O.3.46
B5171	(I.P)	O.3.47
B5172	(I.P)	O.3.48
B5173	(I.P)	O.3.49
B5174	(I.P)	O.4.1
B5175	(I.P)	O.4.2
B5176	(I.P)	O.4.3
B5177	(I.P)	O.4.4
B5178	(I.P)	O.4.5
B5179	(I.P)	O.4.6
B5180	(I.P)	O.4.7
B5181	(I.P)	O.4.8
B5182	(I.P)	O.4.9
B5183	(I.P)	O.4.10

B	I	II
B5184	(I.P)	O.4.11
B5185	(I.P)	O.4.12
B5186	(I.P)	O.4.13
B5187	(I.P)	O.4.14
B5188	(I.P)	O.4.15
B5189	(I.P)	O.5.1
B5190	(I.P)	O.5.2
B5191	(I.P)	O.6.1
B5192	(I.P)	O.6.2
B5193	(I.P)	O.6.3
B5194	(I.P)	O.6.4
B5195	(I.P)	O.6.5
B5196	(I.P)	O.7.1
B5197	(I.P)	O.7.2
B5198	(I.P)	O.7.3
B5199	(I.P)	O.7.4
B5200	(I.P)	O.7.5
B5201	(I.P)	O.8.1
B5202	(I.P)	O.8.2
B5203	(I.P)	O.8.3
B5204	(I.P)	O.8.4
B5205	(I.P)	O.8.5
B5206	(I.P)	O.9.1
B5207	(I.P)	O.9.2
B5208	(I.P)	O.10.1
B5209	(I.P)	O.10.2
B5210	(I.P)	O.10.3
B5211	(I.P)	O.10.4
B5212	(I.P)	O.11
B5213	(I.P)	O.12.1
B5214	(I.P)	O.12.2
B5215	(I.P)	O.12.3
B5216	(I.P)	O.12.4
B5217	(I.P)	O.12.5
B5218	(I.P)	O.12.6

B	I	II
B5219	(I.P)	O.13.1
B5220	(I.P)	O.13.2
B5221	(I.P)	O.13.3
B5222	(I.P)	O.14.1
B5223	(I.P)	O.14.2
B5224	(I.P)	O.14.3
B5225	(I.P)	O.14.4
B5226	(I.P)	O.15.1
B5227	(I.P)	O.15.2
B5228	(I.P)	O.15.3
B5229	(I.P)	O.15.4
B5230	(I.P)	O.15.5
B5231	(I.P)	O.15.6
B5232	(I.P)	O.15.7
B5233	(I.P)	O.15.8
B5234	(I.P)	O.15.9
B5235	(I.P)	O.15.10
B5236	(I.P)	O.15.11
B5237	(I.P)	O.16.1
B5238	(I.P)	O.17.1
B5239	(I.P)	O.18.1
B5240	(I.P)	O.18.2
B5241	(I.P)	O.18.3
B5242	(I.P)	O.18.4
B5243	(I.P)	O.18.5
B5244	(I.P)	O.19.1
B5245	(I.P)	O.20.1
B5246	(I.P)	O.20.2
B5247	(I.P)	O.20.3
B5248	(I.P)	O.20.4
B5249	(I.P)	O.21.1
B5250	(I.P)	O.21.2
B5251	(I.P)	O.21.3
B5252	(I.P)	O.21.4
B5253	(I.P)	O.21.5

B	I	II
B5254	(I.P)	O.21.6
B5255	(I.P)	O.21.7
B5256	(I.P)	O.22.1
B5257	(I.P)	O.22.2
B5258	(I.P)	O.22.3
B5259	(I.P)	O.22.4
B5260	(I.P)	O.23.1
B5261	(I.P)	O.23.2
B5262	(I.P)	O.23.3
B5263	(I.P)	O.23.4
B5264	(I.P)	O.24.1
B5265	(I.P)	O.24.2
B5266	(I.P)	O.24.3
B5267	(I.P)	O.24.4
B5268	(I.P)	O.24.5
B5269	(I.P)	O.25.1
B5270	(I.P)	O.25.2
B5271	(I.P)	O.26.1
B5272	(I.P)	O.26.2
B5273	(I.P)	O.26.3
B5274	(I.P)	O.26.4
B5275	(I.P)	O.26.5
B5276	(I.P)	O.26.6
B5277	(I.P)	O.26.7
B5278	(I.P)	O.26.8
B5279	(I.P)	O.26.9
B5280	(I.P)	O.26.10
B5281	(I.P)	O.26.11
B5282	(I.P)	O.26.12
B5283	(I.P)	O.26.13
B5284	(I.P)	O.26.14
B5285	(I.P)	O.26.15
B5286	(I.P)	O.26.16
B5287	(I.P)	O.26.17
B5288	(I.P)	O.26.18

B	I	II
B5289	(I.P)	O.27.1
B5290	(I.P)	O.27.2
B5291	(I.P)	O.27.3
B5292	(I.P)	O.27.4
B5293	(I.P)	O.27.5
B5294	(I.P)	O.27.6
B5295	(I.P)	O.27.7
B5296	(I.P)	O.27.8
B5297	(I.P)	O.27.9
B5298	(I.P)	O.27.10
B5299	(I.P)	O.27.11
B5300	(I.P)	O.27.12
B5301	(I.P)	O.27.13
B5302	(I.P)	O.27.14
B5303	(I.P)	O.27.15
B5304	(I.P)	O.27.16
B5305	(I.P)	O.27.17
B5306	(I.P)	O.27.18
B5307	(I.P)	O.27.19
B5308	(I.P)	O.27.20
B5309	(I.P)	O.27.21
B5310	(I.P)	O.27.22
B5311	(I.P)	O.27.23
B5312	(I.P)	O.27.24
B5313	(I.P)	O.27.25
B5314	(I.P)	O.27.26
B5315	(I.P)	O.27.27
B5316	(I.P)	O.27.28
B5317	(I.P)	O.27.29
B5318	(I.P)	O.27.30
B5319	(I.P)	O.27.31
B5320	(I.P)	O.27.32
B5321	(I.P)	O.27.33
B5322	(I.P)	O.27.34
B5323	(I.P)	O.27.35

B	I	II
B5324	(I.P)	O.27.36
B5325	(I.P)	O.27.37
B5326	(I.P)	O.27.38
B5327	(I.P)	O.27.42
B5328	(I.P)	O.27.43
B5329	(I.P)	O.27.44
B5330	(I.P)	O.27.45
B5331	(I.P)	O.27.46
B5332	(I.P)	O.27.47
B5333	(I.P)	O.27.48
B5334	(I.P)	O.27.49
B5335	(I.P)	O.27.50
B5336	(I.P)	O.27.51
B5337	(I.P)	O.27.52
B5338	(I.P)	O.27.53
B5339	(I.P)	O.27.54
B5340	(I.P)	O.27.55
B5341	(I.P)	O.27.56
B5342	(I.P)	O.27.57
B5343	(I.P)	O.27.58
B5344	(I.P)	O.27.59

B	I	II
B5345	(I.P)	O.27.60
B5346	(I.P)	O.27.61
B5347	(I.P)	O.27.62
B5348	(I.P)	O.27.63
B5349	(I.P)	O.27.64
B5350	(I.P)	O.27.65
B5351	(I.P)	O.27.66
B5352	(I.P)	O.27.67
B5353	(I.P)	O.27.68
B5354	(I.P)	O.27.69
B5355	(I.P)	O.27.70
B5356	(I.P)	O.27.71
B5357	(I.P)	O.27.72
B5358	(I.P)	O.27.73
B5359	(I.P)	O.27.74
B5360	(I.P)	O.27.75
B5361	(I.P)	O.27.76
B5362	(I.P)	O.27.77
B5363	(I.P)	O.27.78
B5364	(I.P)	O.27.79
B5365	(I.P)	O.27.80

B	I	II
B5366	(I.P)	O.27.81
B5367	(I.P)	O.27.82
B5368	(I.P)	O.27.83
B5369	(I.P)	O.27.84
B5370	(I.P)	O.27.85
B5371	(I.P)	O.27.86
B5372	(I.P)	O.27.87
B5373	(I.P)	O.27.88
B5374	(I.P)	O.27.89
B5375	(I.P)	O.27.90
B5376	(I.P)	O.27.91
B5377	(I.P)	O.27.92
B5378	(I.P)	O.27.93
B5379	(I.P)	O.27.94
B5380	(I.P)	O.27.95
B5381	(I.P)	O.27.96
B5382	(I.P)	O.27.97
B5383	(I.P)	O.27.98
B5384	(I.P)	O.27.99
B5385	(I.P)	O.29.1

Table 16:

B = Mixture; I = compound I; II = compound II

B	I	II
B5386	(I.Q)	O.1.1
B5387	(I.Q)	O.1.2
B5388	(I.Q)	O.1.3
B5389	(I.Q)	O.1.4
B5390	(I.Q)	O.1.5
B5391	(I.Q)	O.1.6
B5392	(I.Q)	O.1.7
B5393	(I.Q)	O.1.8
B5394	(I.Q)	O.1.9

B	I	II
B5395	(I.Q)	O.1.10
B5396	(I.Q)	O.1.11
B5397	(I.Q)	O.1.12
B5398	(I.Q)	O.1.13
B5399	(I.Q)	O.1.14
B5400	(I.Q)	O.1.15
B5401	(I.Q)	O.1.16
B5402	(I.Q)	O.1.17
B5403	(I.Q)	O.1.18

B	I	II
B5404	(I.Q)	O.1.19
B5405	(I.Q)	O.1.20
B5406	(I.Q)	O.1.21
B5407	(I.Q)	O.1.22
B5408	(I.Q)	O.1.23
B5409	(I.Q)	O.1.24
B5410	(I.Q)	O.1.25
B5411	(I.Q)	O.1.26
B5412	(I.Q)	O.1.27

B	I	II
B5413	(I.Q)	O.1.28
B5414	(I.Q)	O.1.29
B5415	(I.Q)	O.1.30
B5416	(I.Q)	O.1.31
B5417	(I.Q)	O.1.32
B5418	(I.Q)	O.1.33
B5419	(I.Q)	O.1.34
B5420	(I.Q)	O.1.35
B5421	(I.Q)	O.1.36
B5422	(I.Q)	O.1.37
B5423	(I.Q)	O.1.38
B5424	(I.Q)	O.1.39
B5425	(I.Q)	O.1.40
B5426	(I.Q)	O.1.41
B5427	(I.Q)	O.1.42
B5428	(I.Q)	O.1.43
B5429	(I.Q)	O.1.44
B5430	(I.Q)	O.1.45
B5431	(I.Q)	O.1.46
B5432	(I.Q)	O.1.47
B5433	(I.Q)	O.1.48
B5434	(I.Q)	O.1.49
B5435	(I.Q)	O.1.50
B5436	(I.Q)	O.1.51
B5437	(I.Q)	O.1.52
B5438	(I.Q)	O.1.53
B5439	(I.Q)	O.1.54
B5440	(I.Q)	O.1.55
B5441	(I.Q)	O.1.56
B5442	(I.Q)	O.1.57
B5443	(I.Q)	O.1.58
B5444	(I.Q)	O.1.59
B5445	(I.Q)	O.1.60
B5446	(I.Q)	O.1.61
B5447	(I.Q)	O.1.62

B	I	II
B5448	(I.Q)	O.1.63
B5449	(I.Q)	O.1.64
B5450	(I.Q)	O.1.65
B5451	(I.Q)	O.1.66
B5452	(I.Q)	O.1.67
B5453	(I.Q)	O.1.68
B5454	(I.Q)	O.1.69
B5455	(I.Q)	O.1.70
B5456	(I.Q)	O.1.71
B5457	(I.Q)	O.1.72
B5458	(I.Q)	O.1.73
B5459	(I.Q)	O.1.74
B5460	(I.Q)	O.1.75
B5461	(I.Q)	O.1.76
B5462	(I.Q)	O.1.77
B5463	(I.Q)	O.1.78
B5464	(I.Q)	O.1.79
B5465	(I.Q)	O.1.80
B5466	(I.Q)	O.1.81
B5467	(I.Q)	O.1.82
B5468	(I.Q)	O.1.83
B5469	(I.Q)	O.1.84
B5470	(I.Q)	O.1.85
B5471	(I.Q)	O.1.86
B5472	(I.Q)	O.1.87
B5473	(I.Q)	O.1.88
B5474	(I.Q)	O.1.89
B5475	(I.Q)	O.1.90
B5476	(I.Q)	O.1.91
B5477	(I.Q)	O.2.1
B5478	(I.Q)	O.2.2
B5479	(I.Q)	O.2.3
B5480	(I.Q)	O.2.4
B5481	(I.Q)	O.2.5
B5482	(I.Q)	O.2.6

B	I	II
B5483	(I.Q)	O.2.7
B5484	(I.Q)	O.3.1
B5485	(I.Q)	O.3.2
B5486	(I.Q)	O.3.3
B5487	(I.Q)	O.3.4
B5488	(I.Q)	O.3.5
B5489	(I.Q)	O.3.6
B5490	(I.Q)	O.3.7
B5491	(I.Q)	O.3.8
B5492	(I.Q)	O.3.9
B5493	(I.Q)	O.3.10
B5494	(I.Q)	O.3.11
B5495	(I.Q)	O.3.12
B5496	(I.Q)	O.3.13
B5497	(I.Q)	O.3.14
B5498	(I.Q)	O.3.15
B5499	(I.Q)	O.3.16
B5500	(I.Q)	O.3.17
B5501	(I.Q)	O.3.18
B5502	(I.Q)	O.3.19
B5503	(I.Q)	O.3.20
B5504	(I.Q)	O.3.21
B5505	(I.Q)	O.3.22
B5506	(I.Q)	O.3.23
B5507	(I.Q)	O.3.24
B5508	(I.Q)	O.3.25
B5509	(I.Q)	O.3.26
B5510	(I.Q)	O.3.27
B5511	(I.Q)	O.3.28
B5512	(I.Q)	O.3.29
B5513	(I.Q)	O.3.30
B5514	(I.Q)	O.3.31
B5515	(I.Q)	O.3.32
B5516	(I.Q)	O.3.33
B5517	(I.Q)	O.3.34

B	I	II
B5518	(I.Q)	O.3.35
B5519	(I.Q)	O.3.36
B5520	(I.Q)	O.3.37
B5521	(I.Q)	O.3.38
B5522	(I.Q)	O.3.39
B5523	(I.Q)	O.3.40
B5524	(I.Q)	O.3.41
B5525	(I.Q)	O.3.42
B5526	(I.Q)	O.3.43
B5527	(I.Q)	O.3.44
B5528	(I.Q)	O.3.45
B5529	(I.Q)	O.3.46
B5530	(I.Q)	O.3.47
B5531	(I.Q)	O.3.48
B5532	(I.Q)	O.3.49
B5533	(I.Q)	O.4.1
B5534	(I.Q)	O.4.2
B5535	(I.Q)	O.4.3
B5536	(I.Q)	O.4.4
B5537	(I.Q)	O.4.5
B5538	(I.Q)	O.4.6
B5539	(I.Q)	O.4.7
B5540	(I.Q)	O.4.8
B5541	(I.Q)	O.4.9
B5542	(I.Q)	O.4.10
B5543	(I.Q)	O.4.11
B5544	(I.Q)	O.4.12
B5545	(I.Q)	O.4.13
B5546	(I.Q)	O.4.14
B5547	(I.Q)	O.4.15
B5548	(I.Q)	O.5.1
B5549	(I.Q)	O.5.2
B5550	(I.Q)	O.6.1
B5551	(I.Q)	O.6.2
B5552	(I.Q)	O.6.3

B	I	II
B5553	(I.Q)	O.6.4
B5554	(I.Q)	O.6.5
B5555	(I.Q)	O.7.1
B5556	(I.Q)	O.7.2
B5557	(I.Q)	O.7.3
B5558	(I.Q)	O.7.4
B5559	(I.Q)	O.7.5
B5560	(I.Q)	O.8.1
B5561	(I.Q)	O.8.2
B5562	(I.Q)	O.8.3
B5563	(I.Q)	O.8.4
B5564	(I.Q)	O.8.5
B5565	(I.Q)	O.9.1
B5566	(I.Q)	O.9.2
B5567	(I.Q)	O.10.1
B5568	(I.Q)	O.10.2
B5569	(I.Q)	O.10.3
B5570	(I.Q)	O.10.4
B5571	(I.Q)	O.11
B5572	(I.Q)	O.12.1
B5573	(I.Q)	O.12.2
B5574	(I.Q)	O.12.3
B5575	(I.Q)	O.12.4
B5576	(I.Q)	O.12.5
B5577	(I.Q)	O.12.6
B5578	(I.Q)	O.13.1
B5579	(I.Q)	O.13.2
B5580	(I.Q)	O.13.3
B5581	(I.Q)	O.14.1
B5582	(I.Q)	O.14.2
B5583	(I.Q)	O.14.3
B5584	(I.Q)	O.14.4
B5585	(I.Q)	O.15.1
B5586	(I.Q)	O.15.2
B5587	(I.Q)	O.15.3

B	I	II
B5588	(I.Q)	O.15.4
B5589	(I.Q)	O.15.5
B5590	(I.Q)	O.15.6
B5591	(I.Q)	O.15.7
B5592	(I.Q)	O.15.8
B5593	(I.Q)	O.15.9
B5594	(I.Q)	O.15.10
B5595	(I.Q)	O.15.11
B5596	(I.Q)	O.16.1
B5597	(I.Q)	O.17.1
B5598	(I.Q)	O.18.1
B5599	(I.Q)	O.18.2
B5600	(I.Q)	O.18.3
B5601	(I.Q)	O.18.4
B5602	(I.Q)	O.18.5
B5603	(I.Q)	O.19.1
B5604	(I.Q)	O.20.1
B5605	(I.Q)	O.20.2
B5606	(I.Q)	O.20.3
B5607	(I.Q)	O.20.4
B5608	(I.Q)	O.21.1
B5609	(I.Q)	O.21.2
B5610	(I.Q)	O.21.3
B5611	(I.Q)	O.21.4
B5612	(I.Q)	O.21.5
B5613	(I.Q)	O.21.6
B5614	(I.Q)	O.21.7
B5615	(I.Q)	O.22.1
B5616	(I.Q)	O.22.2
B5617	(I.Q)	O.22.3
B5618	(I.Q)	O.22.4
B5619	(I.Q)	O.23.1
B5620	(I.Q)	O.23.2
B5621	(I.Q)	O.23.3
B5622	(I.Q)	O.23.4

B	I	II
B5623	(I.Q)	O.24.1
B5624	(I.Q)	O.24.2
B5625	(I.Q)	O.24.3
B5626	(I.Q)	O.24.4
B5627	(I.Q)	O.24.5
B5628	(I.Q)	O.25.1
B5629	(I.Q)	O.25.2
B5630	(I.Q)	O.26.1
B5631	(I.Q)	O.26.2
B5632	(I.Q)	O.26.3
B5633	(I.Q)	O.26.4
B5634	(I.Q)	O.26.5
B5635	(I.Q)	O.26.6
B5636	(I.Q)	O.26.7
B5637	(I.Q)	O.26.8
B5638	(I.Q)	O.26.9
B5639	(I.Q)	O.26.10
B5640	(I.Q)	O.26.11
B5641	(I.Q)	O.26.12
B5642	(I.Q)	O.26.13
B5643	(I.Q)	O.26.14
B5644	(I.Q)	O.26.15
B5645	(I.Q)	O.26.16
B5646	(I.Q)	O.26.17
B5647	(I.Q)	O.26.18
B5648	(I.Q)	O.27.1
B5649	(I.Q)	O.27.2
B5650	(I.Q)	O.27.3
B5651	(I.Q)	O.27.4
B5652	(I.Q)	O.27.5
B5653	(I.Q)	O.27.6
B5654	(I.Q)	O.27.7
B5655	(I.Q)	O.27.8
B5656	(I.Q)	O.27.9
B5657	(I.Q)	O.27.10

B	I	II
B5658	(I.Q)	O.27.11
B5659	(I.Q)	O.27.12
B5660	(I.Q)	O.27.13
B5661	(I.Q)	O.27.14
B5662	(I.Q)	O.27.15
B5663	(I.Q)	O.27.16
B5664	(I.Q)	O.27.17
B5665	(I.Q)	O.27.18
B5666	(I.Q)	O.27.19
B5667	(I.Q)	O.27.20
B5668	(I.Q)	O.27.21
B5669	(I.Q)	O.27.22
B5670	(I.Q)	O.27.23
B5671	(I.Q)	O.27.24
B5672	(I.Q)	O.27.25
B5673	(I.Q)	O.27.26
B5674	(I.Q)	O.27.27
B5675	(I.Q)	O.27.28
B5676	(I.Q)	O.27.29
B5677	(I.Q)	O.27.30
B5678	(I.Q)	O.27.31
B5679	(I.Q)	O.27.32
B5680	(I.Q)	O.27.33
B5681	(I.Q)	O.27.34
B5682	(I.Q)	O.27.35
B5683	(I.Q)	O.27.36
B5684	(I.Q)	O.27.37
B5685	(I.Q)	O.27.38
B5686	(I.Q)	O.27.42
B5687	(I.Q)	O.27.43
B5688	(I.Q)	O.27.44
B5689	(I.Q)	O.27.45
B5690	(I.Q)	O.27.46
B5691	(I.Q)	O.27.47
B5692	(I.Q)	O.27.48

B	I	II
B5693	(I.Q)	O.27.49
B5694	(I.Q)	O.27.50
B5695	(I.Q)	O.27.51
B5696	(I.Q)	O.27.52
B5697	(I.Q)	O.27.53
B5698	(I.Q)	O.27.54
B5699	(I.Q)	O.27.55
B5700	(I.Q)	O.27.56
B5701	(I.Q)	O.27.57
B5702	(I.Q)	O.27.58
B5703	(I.Q)	O.27.59
B5704	(I.Q)	O.27.60
B5705	(I.Q)	O.27.61
B5706	(I.Q)	O.27.62
B5707	(I.Q)	O.27.63
B5708	(I.Q)	O.27.64
B5709	(I.Q)	O.27.65
B5710	(I.Q)	O.27.66
B5711	(I.Q)	O.27.67
B5712	(I.Q)	O.27.68
B5713	(I.Q)	O.27.69
B5714	(I.Q)	O.27.70
B5715	(I.Q)	O.27.71
B5716	(I.Q)	O.27.72
B5717	(I.Q)	O.27.73
B5718	(I.Q)	O.27.74
B5719	(I.Q)	O.27.75
B5720	(I.Q)	O.27.76
B5721	(I.Q)	O.27.77
B5722	(I.Q)	O.27.78
B5723	(I.Q)	O.27.79
B5724	(I.Q)	O.27.80
B5725	(I.Q)	O.27.81
B5726	(I.Q)	O.27.82
B5727	(I.Q)	O.27.83

B	I	II
B5728	(I.Q)	O.27.84
B5729	(I.Q)	O.27.85
B5730	(I.Q)	O.27.86
B5731	(I.Q)	O.27.87
B5732	(I.Q)	O.27.88
B5733	(I.Q)	O.27.89

B	I	II
B5734	(I.Q)	O.27.90
B5735	(I.Q)	O.27.91
B5736	(I.Q)	O.27.92
B5737	(I.Q)	O.27.93
B5738	(I.Q)	O.27.94
B5739	(I.Q)	O.27.95

B	I	II
B5740	(I.Q)	O.27.96
B5741	(I.Q)	O.27.97
B5742	(I.Q)	O.27.98
B5743	(I.Q)	O.27.99
B5744	(I.Q)	O.29.1

Table 17:

B = Mixture; I = compound I; II = compound II

B	I	II
B5745	(I.R)	O.1.1
B5746	(I.R)	O.1.2
B5747	(I.R)	O.1.3
B5748	(I.R)	O.1.4
B5749	(I.R)	O.1.5
B5750	(I.R)	O.1.6
B5751	(I.R)	O.1.7
B5752	(I.R)	O.1.8
B5753	(I.R)	O.1.9
B5754	(I.R)	O.1.10
B5755	(I.R)	O.1.11
B5756	(I.R)	O.1.12
B5757	(I.R)	O.1.13
B5758	(I.R)	O.1.14
B5759	(I.R)	O.1.15
B5760	(I.R)	O.1.16
B5761	(I.R)	O.1.17
B5762	(I.R)	O.1.18
B5763	(I.R)	O.1.19
B5764	(I.R)	O.1.20
B5765	(I.R)	O.1.21
B5766	(I.R)	O.1.22
B5767	(I.R)	O.1.23
B5768	(I.R)	O.1.24

B	I	II
B5769	(I.R)	O.1.25
B5770	(I.R)	O.1.26
B5771	(I.R)	O.1.27
B5772	(I.R)	O.1.28
B5773	(I.R)	O.1.29
B5774	(I.R)	O.1.30
B5775	(I.R)	O.1.31
B5776	(I.R)	O.1.32
B5777	(I.R)	O.1.33
B5778	(I.R)	O.1.34
B5779	(I.R)	O.1.35
B5780	(I.R)	O.1.36
B5781	(I.R)	O.1.37
B5782	(I.R)	O.1.38
B5783	(I.R)	O.1.39
B5784	(I.R)	O.1.40
B5785	(I.R)	O.1.41
B5786	(I.R)	O.1.42
B5787	(I.R)	O.1.43
B5788	(I.R)	O.1.44
B5789	(I.R)	O.1.45
B5790	(I.R)	O.1.46
B5791	(I.R)	O.1.47
B5792	(I.R)	O.1.48

B	I	II
B5793	(I.R)	O.1.49
B5794	(I.R)	O.1.50
B5795	(I.R)	O.1.51
B5796	(I.R)	O.1.52
B5797	(I.R)	O.1.53
B5798	(I.R)	O.1.54
B5799	(I.R)	O.1.55
B5800	(I.R)	O.1.56
B5801	(I.R)	O.1.57
B5802	(I.R)	O.1.58
B5803	(I.R)	O.1.59
B5804	(I.R)	O.1.60
B5805	(I.R)	O.1.61
B5806	(I.R)	O.1.62
B5807	(I.R)	O.1.63
B5808	(I.R)	O.1.64
B5809	(I.R)	O.1.65
B5810	(I.R)	O.1.66
B5811	(I.R)	O.1.67
B5812	(I.R)	O.1.68
B5813	(I.R)	O.1.69
B5814	(I.R)	O.1.70
B5815	(I.R)	O.1.71
B5816	(I.R)	O.1.72

B	I	II
B5817	(I.R)	O.1.73
B5818	(I.R)	O.1.74
B5819	(I.R)	O.1.75
B5820	(I.R)	O.1.76
B5821	(I.R)	O.1.77
B5822	(I.R)	O.1.78
B5823	(I.R)	O.1.79
B5824	(I.R)	O.1.80
B5825	(I.R)	O.1.81
B5826	(I.R)	O.1.82
B5827	(I.R)	O.1.83
B5828	(I.R)	O.1.84
B5829	(I.R)	O.1.85
B5830	(I.R)	O.1.86
B5831	(I.R)	O.1.87
B5832	(I.R)	O.1.88
B5833	(I.R)	O.1.89
B5834	(I.R)	O.1.90
B5835	(I.R)	O.1.91
B5836	(I.R)	O.2.1
B5837	(I.R)	O.2.2
B5838	(I.R)	O.2.3
B5839	(I.R)	O.2.4
B5840	(I.R)	O.2.5
B5841	(I.R)	O.2.6
B5842	(I.R)	O.2.7
B5843	(I.R)	O.3.1
B5844	(I.R)	O.3.2
B5845	(I.R)	O.3.3
B5846	(I.R)	O.3.4
B5847	(I.R)	O.3.5
B5848	(I.R)	O.3.6
B5849	(I.R)	O.3.7
B5850	(I.R)	O.3.8
B5851	(I.R)	O.3.9

B	I	II
B5852	(I.R)	O.3.10
B5853	(I.R)	O.3.11
B5854	(I.R)	O.3.12
B5855	(I.R)	O.3.13
B5856	(I.R)	O.3.14
B5857	(I.R)	O.3.15
B5858	(I.R)	O.3.16
B5859	(I.R)	O.3.17
B5860	(I.R)	O.3.18
B5861	(I.R)	O.3.19
B5862	(I.R)	O.3.20
B5863	(I.R)	O.3.21
B5864	(I.R)	O.3.22
B5865	(I.R)	O.3.23
B5866	(I.R)	O.3.24
B5867	(I.R)	O.3.25
B5868	(I.R)	O.3.26
B5869	(I.R)	O.3.27
B5870	(I.R)	O.3.28
B5871	(I.R)	O.3.29
B5872	(I.R)	O.3.30
B5873	(I.R)	O.3.31
B5874	(I.R)	O.3.32
B5875	(I.R)	O.3.33
B5876	(I.R)	O.3.34
B5877	(I.R)	O.3.35
B5878	(I.R)	O.3.36
B5879	(I.R)	O.3.37
B5880	(I.R)	O.3.38
B5881	(I.R)	O.3.39
B5882	(I.R)	O.3.40
B5883	(I.R)	O.3.41
B5884	(I.R)	O.3.42
B5885	(I.R)	O.3.43
B5886	(I.R)	O.3.44

B	I	II
B5887	(I.R)	O.3.45
B5888	(I.R)	O.3.46
B5889	(I.R)	O.3.47
B5890	(I.R)	O.3.48
B5891	(I.R)	O.3.49
B5892	(I.R)	O.4.1
B5893	(I.R)	O.4.2
B5894	(I.R)	O.4.3
B5895	(I.R)	O.4.4
B5896	(I.R)	O.4.5
B5897	(I.R)	O.4.6
B5898	(I.R)	O.4.7
B5899	(I.R)	O.4.8
B5900	(I.R)	O.4.9
B5901	(I.R)	O.4.10
B5902	(I.R)	O.4.11
B5903	(I.R)	O.4.12
B5904	(I.R)	O.4.13
B5905	(I.R)	O.4.14
B5906	(I.R)	O.4.15
B5907	(I.R)	O.5.1
B5908	(I.R)	O.5.2
B5909	(I.R)	O.6.1
B5910	(I.R)	O.6.2
B5911	(I.R)	O.6.3
B5912	(I.R)	O.6.4
B5913	(I.R)	O.6.5
B5914	(I.R)	O.7.1
B5915	(I.R)	O.7.2
B5916	(I.R)	O.7.3
B5917	(I.R)	O.7.4
B5918	(I.R)	O.7.5
B5919	(I.R)	O.8.1
B5920	(I.R)	O.8.2
B5921	(I.R)	O.8.3

B	I	II
B5922	(I.R)	O.8.4
B5923	(I.R)	O.8.5
B5924	(I.R)	O.9.1
B5925	(I.R)	O.9.2
B5926	(I.R)	O.10.1
B5927	(I.R)	O.10.2
B5928	(I.R)	O.10.3
B5929	(I.R)	O.10.4
B5930	(I.R)	O.11
B5931	(I.R)	O.12.1
B5932	(I.R)	O.12.2
B5933	(I.R)	O.12.3
B5934	(I.R)	O.12.4
B5935	(I.R)	O.12.5
B5936	(I.R)	O.12.6
B5937	(I.R)	O.13.1
B5938	(I.R)	O.13.2
B5939	(I.R)	O.13.3
B5940	(I.R)	O.14.1
B5941	(I.R)	O.14.2
B5942	(I.R)	O.14.3
B5943	(I.R)	O.14.4
B5944	(I.R)	O.15.1
B5945	(I.R)	O.15.2
B5946	(I.R)	O.15.3
B5947	(I.R)	O.15.4
B5948	(I.R)	O.15.5
B5949	(I.R)	O.15.6
B5950	(I.R)	O.15.7
B5951	(I.R)	O.15.8
B5952	(I.R)	O.15.9
B5953	(I.R)	O.15.10
B5954	(I.R)	O.15.11
B5955	(I.R)	O.16.1
B5956	(I.R)	O.17.1

B	I	II
B5957	(I.R)	O.18.1
B5958	(I.R)	O.18.2
B5959	(I.R)	O.18.3
B5960	(I.R)	O.18.4
B5961	(I.R)	O.18.5
B5962	(I.R)	O.19.1
B5963	(I.R)	O.20.1
B5964	(I.R)	O.20.2
B5965	(I.R)	O.20.3
B5966	(I.R)	O.20.4
B5967	(I.R)	O.21.1
B5968	(I.R)	O.21.2
B5969	(I.R)	O.21.3
B5970	(I.R)	O.21.4
B5971	(I.R)	O.21.5
B5972	(I.R)	O.21.6
B5973	(I.R)	O.21.7
B5974	(I.R)	O.22.1
B5975	(I.R)	O.22.2
B5976	(I.R)	O.22.3
B5977	(I.R)	O.22.4
B5978	(I.R)	O.23.1
B5979	(I.R)	O.23.2
B5980	(I.R)	O.23.3
B5981	(I.R)	O.23.4
B5982	(I.R)	O.24.1
B5983	(I.R)	O.24.2
B5984	(I.R)	O.24.3
B5985	(I.R)	O.24.4
B5986	(I.R)	O.24.5
B5987	(I.R)	O.25.1
B5988	(I.R)	O.25.2
B5989	(I.R)	O.26.1
B5990	(I.R)	O.26.2
B5991	(I.R)	O.26.3

B	I	II
B5992	(I.R)	O.26.4
B5993	(I.R)	O.26.5
B5994	(I.R)	O.26.6
B5995	(I.R)	O.26.7
B5996	(I.R)	O.26.8
B5997	(I.R)	O.26.9
B5998	(I.R)	O.26.10
B5999	(I.R)	O.26.11
B6000	(I.R)	O.26.12
B6001	(I.R)	O.26.13
B6002	(I.R)	O.26.14
B6003	(I.R)	O.26.15
B6004	(I.R)	O.26.16
B6005	(I.R)	O.26.17
B6006	(I.R)	O.26.18
B6007	(I.R)	O.27.1
B6008	(I.R)	O.27.2
B6009	(I.R)	O.27.3
B6010	(I.R)	O.27.4
B6011	(I.R)	O.27.5
B6012	(I.R)	O.27.6
B6013	(I.R)	O.27.7
B6014	(I.R)	O.27.8
B6015	(I.R)	O.27.9
B6016	(I.R)	O.27.10
B6017	(I.R)	O.27.11
B6018	(I.R)	O.27.12
B6019	(I.R)	O.27.13
B6020	(I.R)	O.27.14
B6021	(I.R)	O.27.15
B6022	(I.R)	O.27.16
B6023	(I.R)	O.27.17
B6024	(I.R)	O.27.18
B6025	(I.R)	O.27.19
B6026	(I.R)	O.27.20

B	I	II
B6027	(I.R)	O.27.21
B6028	(I.R)	O.27.22
B6029	(I.R)	O.27.23
B6030	(I.R)	O.27.24
B6031	(I.R)	O.27.25
B6032	(I.R)	O.27.26
B6033	(I.R)	O.27.27
B6034	(I.R)	O.27.28
B6035	(I.R)	O.27.29
B6036	(I.R)	O.27.30
B6037	(I.R)	O.27.31
B6038	(I.R)	O.27.32
B6039	(I.R)	O.27.33
B6040	(I.R)	O.27.34
B6041	(I.R)	O.27.35
B6042	(I.R)	O.27.36
B6043	(I.R)	O.27.37
B6044	(I.R)	O.27.38
B6045	(I.R)	O.27.42
B6046	(I.R)	O.27.43
B6047	(I.R)	O.27.44
B6048	(I.R)	O.27.45
B6049	(I.R)	O.27.46
B6050	(I.R)	O.27.47
B6051	(I.R)	O.27.48
B6052	(I.R)	O.27.49

B	I	II
B6053	(I.R)	O.27.50
B6054	(I.R)	O.27.51
B6055	(I.R)	O.27.52
B6056	(I.R)	O.27.53
B6057	(I.R)	O.27.54
B6058	(I.R)	O.27.55
B6059	(I.R)	O.27.56
B6060	(I.R)	O.27.57
B6061	(I.R)	O.27.58
B6062	(I.R)	O.27.59
B6063	(I.R)	O.27.60
B6064	(I.R)	O.27.61
B6065	(I.R)	O.27.62
B6066	(I.R)	O.27.63
B6067	(I.R)	O.27.64
B6068	(I.R)	O.27.65
B6069	(I.R)	O.27.66
B6070	(I.R)	O.27.67
B6071	(I.R)	O.27.68
B6072	(I.R)	O.27.69
B6073	(I.R)	O.27.70
B6074	(I.R)	O.27.71
B6075	(I.R)	O.27.72
B6076	(I.R)	O.27.73
B6077	(I.R)	O.27.74
B6078	(I.R)	O.27.75

B	I	II
B6079	(I.R)	O.27.76
B6080	(I.R)	O.27.77
B6081	(I.R)	O.27.78
B6082	(I.R)	O.27.79
B6083	(I.R)	O.27.80
B6084	(I.R)	O.27.81
B6085	(I.R)	O.27.82
B6086	(I.R)	O.27.83
B6087	(I.R)	O.27.84
B6088	(I.R)	O.27.85
B6089	(I.R)	O.27.86
B6090	(I.R)	O.27.87
B6091	(I.R)	O.27.88
B6092	(I.R)	O.27.89
B6093	(I.R)	O.27.90
B6094	(I.R)	O.27.91
B6095	(I.R)	O.27.92
B6096	(I.R)	O.27.93
B6097	(I.R)	O.27.94
B6098	(I.R)	O.27.95
B6099	(I.R)	O.27.96
B6100	(I.R)	O.27.97
B6101	(I.R)	O.27.98
B6102	(I.R)	O.27.99
B6103	(I.R)	O.29.1

Table 18:

B = Mixture; I = compound I; II = compound II

B	I	II
B6104	(I.S)	O.1.1
B6105	(I.S)	O.1.2
B6106	(I.S)	O.1.3
B6107	(I.S)	O.1.4

B	I	II
B6108	(I.S)	O.1.5
B6109	(I.S)	O.1.6
B6110	(I.S)	O.1.7
B6111	(I.S)	O.1.8

B	I	II
B6112	(I.S)	O.1.9
B6113	(I.S)	O.1.10
B6114	(I.S)	O.1.11
B6115	(I.S)	O.1.12

B	I	II
B6116	(I.S)	O.1.13
B6117	(I.S)	O.1.14
B6118	(I.S)	O.1.15
B6119	(I.S)	O.1.16
B6120	(I.S)	O.1.17
B6121	(I.S)	O.1.18
B6122	(I.S)	O.1.19
B6123	(I.S)	O.1.20
B6124	(I.S)	O.1.21
B6125	(I.S)	O.1.22
B6126	(I.S)	O.1.23
B6127	(I.S)	O.1.24
B6128	(I.S)	O.1.25
B6129	(I.S)	O.1.26
B6130	(I.S)	O.1.27
B6131	(I.S)	O.1.28
B6132	(I.S)	O.1.29
B6133	(I.S)	O.1.30
B6134	(I.S)	O.1.31
B6135	(I.S)	O.1.32
B6136	(I.S)	O.1.33
B6137	(I.S)	O.1.34
B6138	(I.S)	O.1.35
B6139	(I.S)	O.1.36
B6140	(I.S)	O.1.37
B6141	(I.S)	O.1.38
B6142	(I.S)	O.1.39
B6143	(I.S)	O.1.40
B6144	(I.S)	O.1.41
B6145	(I.S)	O.1.42
B6146	(I.S)	O.1.43
B6147	(I.S)	O.1.44
B6148	(I.S)	O.1.45
B6149	(I.S)	O.1.46
B6150	(I.S)	O.1.47

B	I	II
B6151	(I.S)	O.1.48
B6152	(I.S)	O.1.49
B6153	(I.S)	O.1.50
B6154	(I.S)	O.1.51
B6155	(I.S)	O.1.52
B6156	(I.S)	O.1.53
B6157	(I.S)	O.1.54
B6158	(I.S)	O.1.55
B6159	(I.S)	O.1.56
B6160	(I.S)	O.1.57
B6161	(I.S)	O.1.58
B6162	(I.S)	O.1.59
B6163	(I.S)	O.1.60
B6164	(I.S)	O.1.61
B6165	(I.S)	O.1.62
B6166	(I.S)	O.1.63
B6167	(I.S)	O.1.64
B6168	(I.S)	O.1.65
B6169	(I.S)	O.1.66
B6170	(I.S)	O.1.67
B6171	(I.S)	O.1.68
B6172	(I.S)	O.1.69
B6173	(I.S)	O.1.70
B6174	(I.S)	O.1.71
B6175	(I.S)	O.1.72
B6176	(I.S)	O.1.73
B6177	(I.S)	O.1.74
B6178	(I.S)	O.1.75
B6179	(I.S)	O.1.76
B6180	(I.S)	O.1.77
B6181	(I.S)	O.1.78
B6182	(I.S)	O.1.79
B6183	(I.S)	O.1.80
B6184	(I.S)	O.1.81
B6185	(I.S)	O.1.82

B	I	II
B6186	(I.S)	O.1.83
B6187	(I.S)	O.1.84
B6188	(I.S)	O.1.85
B6189	(I.S)	O.1.86
B6190	(I.S)	O.1.87
B6191	(I.S)	O.1.88
B6192	(I.S)	O.1.89
B6193	(I.S)	O.1.90
B6194	(I.S)	O.1.91
B6195	(I.S)	O.2.1
B6196	(I.S)	O.2.2
B6197	(I.S)	O.2.3
B6198	(I.S)	O.2.4
B6199	(I.S)	O.2.5
B6200	(I.S)	O.2.6
B6201	(I.S)	O.2.7
B6202	(I.S)	O.3.1
B6203	(I.S)	O.3.2
B6204	(I.S)	O.3.3
B6205	(I.S)	O.3.4
B6206	(I.S)	O.3.5
B6207	(I.S)	O.3.6
B6208	(I.S)	O.3.7
B6209	(I.S)	O.3.8
B6210	(I.S)	O.3.9
B6211	(I.S)	O.3.10
B6212	(I.S)	O.3.11
B6213	(I.S)	O.3.12
B6214	(I.S)	O.3.13
B6215	(I.S)	O.3.14
B6216	(I.S)	O.3.15
B6217	(I.S)	O.3.16
B6218	(I.S)	O.3.17
B6219	(I.S)	O.3.18
B6220	(I.S)	O.3.19

B	I	II
B6221	(I.S)	O.3.20
B6222	(I.S)	O.3.21
B6223	(I.S)	O.3.22
B6224	(I.S)	O.3.23
B6225	(I.S)	O.3.24
B6226	(I.S)	O.3.25
B6227	(I.S)	O.3.26
B6228	(I.S)	O.3.27
B6229	(I.S)	O.3.28
B6230	(I.S)	O.3.29
B6231	(I.S)	O.3.30
B6232	(I.S)	O.3.31
B6233	(I.S)	O.3.32
B6234	(I.S)	O.3.33
B6235	(I.S)	O.3.34
B6236	(I.S)	O.3.35
B6237	(I.S)	O.3.36
B6238	(I.S)	O.3.37
B6239	(I.S)	O.3.38
B6240	(I.S)	O.3.39
B6241	(I.S)	O.3.40
B6242	(I.S)	O.3.41
B6243	(I.S)	O.3.42
B6244	(I.S)	O.3.43
B6245	(I.S)	O.3.44
B6246	(I.S)	O.3.45
B6247	(I.S)	O.3.46
B6248	(I.S)	O.3.47
B6249	(I.S)	O.3.48
B6250	(I.S)	O.3.49
B6251	(I.S)	O.4.1
B6252	(I.S)	O.4.2
B6253	(I.S)	O.4.3
B6254	(I.S)	O.4.4
B6255	(I.S)	O.4.5

B	I	II
B6256	(I.S)	O.4.6
B6257	(I.S)	O.4.7
B6258	(I.S)	O.4.8
B6259	(I.S)	O.4.9
B6260	(I.S)	O.4.10
B6261	(I.S)	O.4.11
B6262	(I.S)	O.4.12
B6263	(I.S)	O.4.13
B6264	(I.S)	O.4.14
B6265	(I.S)	O.4.15
B6266	(I.S)	O.5.1
B6267	(I.S)	O.5.2
B6268	(I.S)	O.6.1
B6269	(I.S)	O.6.2
B6270	(I.S)	O.6.3
B6271	(I.S)	O.6.4
B6272	(I.S)	O.6.5
B6273	(I.S)	O.7.1
B6274	(I.S)	O.7.2
B6275	(I.S)	O.7.3
B6276	(I.S)	O.7.4
B6277	(I.S)	O.7.5
B6278	(I.S)	O.8.1
B6279	(I.S)	O.8.2
B6280	(I.S)	O.8.3
B6281	(I.S)	O.8.4
B6282	(I.S)	O.8.5
B6283	(I.S)	O.9.1
B6284	(I.S)	O.9.2
B6285	(I.S)	O.10.1
B6286	(I.S)	O.10.2
B6287	(I.S)	O.10.3
B6288	(I.S)	O.10.4
B6289	(I.S)	O.11
B6290	(I.S)	O.12.1

B	I	II
B6291	(I.S)	O.12.2
B6292	(I.S)	O.12.3
B6293	(I.S)	O.12.4
B6294	(I.S)	O.12.5
B6295	(I.S)	O.12.6
B6296	(I.S)	O.13.1
B6297	(I.S)	O.13.2
B6298	(I.S)	O.13.3
B6299	(I.S)	O.14.1
B6300	(I.S)	O.14.2
B6301	(I.S)	O.14.3
B6302	(I.S)	O.14.4
B6303	(I.S)	O.15.1
B6304	(I.S)	O.15.2
B6305	(I.S)	O.15.3
B6306	(I.S)	O.15.4
B6307	(I.S)	O.15.5
B6308	(I.S)	O.15.6
B6309	(I.S)	O.15.7
B6310	(I.S)	O.15.8
B6311	(I.S)	O.15.9
B6312	(I.S)	O.15.10
B6313	(I.S)	O.15.11
B6314	(I.S)	O.16.1
B6315	(I.S)	O.17.1
B6316	(I.S)	O.18.1
B6317	(I.S)	O.18.2
B6318	(I.S)	O.18.3
B6319	(I.S)	O.18.4
B6320	(I.S)	O.18.5
B6321	(I.S)	O.19.1
B6322	(I.S)	O.20.1
B6323	(I.S)	O.20.2
B6324	(I.S)	O.20.3
B6325	(I.S)	O.20.4

B	I	II
B6326	(I.S)	O.21.1
B6327	(I.S)	O.21.2
B6328	(I.S)	O.21.3
B6329	(I.S)	O.21.4
B6330	(I.S)	O.21.5
B6331	(I.S)	O.21.6
B6332	(I.S)	O.21.7
B6333	(I.S)	O.22.1
B6334	(I.S)	O.22.2
B6335	(I.S)	O.22.3
B6336	(I.S)	O.22.4
B6337	(I.S)	O.23.1
B6338	(I.S)	O.23.2
B6339	(I.S)	O.23.3
B6340	(I.S)	O.23.4
B6341	(I.S)	O.24.1
B6342	(I.S)	O.24.2
B6343	(I.S)	O.24.3
B6344	(I.S)	O.24.4
B6345	(I.S)	O.24.5
B6346	(I.S)	O.25.1
B6347	(I.S)	O.25.2
B6348	(I.S)	O.26.1
B6349	(I.S)	O.26.2
B6350	(I.S)	O.26.3
B6351	(I.S)	O.26.4
B6352	(I.S)	O.26.5
B6353	(I.S)	O.26.6
B6354	(I.S)	O.26.7
B6355	(I.S)	O.26.8
B6356	(I.S)	O.26.9
B6357	(I.S)	O.26.10
B6358	(I.S)	O.26.11
B6359	(I.S)	O.26.12
B6360	(I.S)	O.26.13

B	I	II
B6361	(I.S)	O.26.14
B6362	(I.S)	O.26.15
B6363	(I.S)	O.26.16
B6364	(I.S)	O.26.17
B6365	(I.S)	O.26.18
B6366	(I.S)	O.27.1
B6367	(I.S)	O.27.2
B6368	(I.S)	O.27.3
B6369	(I.S)	O.27.4
B6370	(I.S)	O.27.5
B6371	(I.S)	O.27.6
B6372	(I.S)	O.27.7
B6373	(I.S)	O.27.8
B6374	(I.S)	O.27.9
B6375	(I.S)	O.27.10
B6376	(I.S)	O.27.11
B6377	(I.S)	O.27.12
B6378	(I.S)	O.27.13
B6379	(I.S)	O.27.14
B6380	(I.S)	O.27.15
B6381	(I.S)	O.27.16
B6382	(I.S)	O.27.17
B6383	(I.S)	O.27.18
B6384	(I.S)	O.27.19
B6385	(I.S)	O.27.20
B6386	(I.S)	O.27.21
B6387	(I.S)	O.27.22
B6388	(I.S)	O.27.23
B6389	(I.S)	O.27.24
B6390	(I.S)	O.27.25
B6391	(I.S)	O.27.26
B6392	(I.S)	O.27.27
B6393	(I.S)	O.27.28
B6394	(I.S)	O.27.29
B6395	(I.S)	O.27.30

B	I	II
B6396	(I.S)	O.27.31
B6397	(I.S)	O.27.32
B6398	(I.S)	O.27.33
B6399	(I.S)	O.27.34
B6400	(I.S)	O.27.35
B6401	(I.S)	O.27.36
B6402	(I.S)	O.27.37
B6403	(I.S)	O.27.38
B6404	(I.S)	O.27.42
B6405	(I.S)	O.27.43
B6406	(I.S)	O.27.44
B6407	(I.S)	O.27.45
B6408	(I.S)	O.27.46
B6409	(I.S)	O.27.47
B6410	(I.S)	O.27.48
B6411	(I.S)	O.27.49
B6412	(I.S)	O.27.50
B6413	(I.S)	O.27.51
B6414	(I.S)	O.27.52
B6415	(I.S)	O.27.53
B6416	(I.S)	O.27.54
B6417	(I.S)	O.27.55
B6418	(I.S)	O.27.56
B6419	(I.S)	O.27.57
B6420	(I.S)	O.27.58
B6421	(I.S)	O.27.59
B6422	(I.S)	O.27.60
B6423	(I.S)	O.27.61
B6424	(I.S)	O.27.62
B6425	(I.S)	O.27.63
B6426	(I.S)	O.27.64
B6427	(I.S)	O.27.65
B6428	(I.S)	O.27.66
B6429	(I.S)	O.27.67
B6430	(I.S)	O.27.68

B	I	II
B6431	(I.S)	O.27.69
B6432	(I.S)	O.27.70
B6433	(I.S)	O.27.71
B6434	(I.S)	O.27.72
B6435	(I.S)	O.27.73
B6436	(I.S)	O.27.74
B6437	(I.S)	O.27.75
B6438	(I.S)	O.27.76
B6439	(I.S)	O.27.77
B6440	(I.S)	O.27.78
B6441	(I.S)	O.27.79

B	I	II
B6442	(I.S)	O.27.80
B6443	(I.S)	O.27.81
B6444	(I.S)	O.27.82
B6445	(I.S)	O.27.83
B6446	(I.S)	O.27.84
B6447	(I.S)	O.27.85
B6448	(I.S)	O.27.86
B6449	(I.S)	O.27.87
B6450	(I.S)	O.27.88
B6451	(I.S)	O.27.89
B6452	(I.S)	O.27.90

B	I	II
B6453	(I.S)	O.27.91
B6454	(I.S)	O.27.92
B6455	(I.S)	O.27.93
B6456	(I.S)	O.27.94
B6457	(I.S)	O.27.95
B6458	(I.S)	O.27.96
B6459	(I.S)	O.27.97
B6460	(I.S)	O.27.98
B6461	(I.S)	O.27.99
B6462	(I.S)	O.29.1

Table 19:

B = Mixture; I = compound I; II = compound II

B	I	II
B6463	(I.T)	O.1.1
B6464	(I.T)	O.1.2
B6465	(I.T)	O.1.3
B6466	(I.T)	O.1.4
B6467	(I.T)	O.1.5
B6468	(I.T)	O.1.6
B6469	(I.T)	O.1.7
B6470	(I.T)	O.1.8
B6471	(I.T)	O.1.9
B6472	(I.T)	O.1.10
B6473	(I.T)	O.1.11
B6474	(I.T)	O.1.12
B6475	(I.T)	O.1.13
B6476	(I.T)	O.1.14
B6477	(I.T)	O.1.15
B6478	(I.T)	O.1.16
B6479	(I.T)	O.1.17
B6480	(I.T)	O.1.18
B6481	(I.T)	O.1.19

B	I	II
B6482	(I.T)	O.1.20
B6483	(I.T)	O.1.21
B6484	(I.T)	O.1.22
B6485	(I.T)	O.1.23
B6486	(I.T)	O.1.24
B6487	(I.T)	O.1.25
B6488	(I.T)	O.1.26
B6489	(I.T)	O.1.27
B6490	(I.T)	O.1.28
B6491	(I.T)	O.1.29
B6492	(I.T)	O.1.30
B6493	(I.T)	O.1.31
B6494	(I.T)	O.1.32
B6495	(I.T)	O.1.33
B6496	(I.T)	O.1.34
B6497	(I.T)	O.1.35
B6498	(I.T)	O.1.36
B6499	(I.T)	O.1.37
B6500	(I.T)	O.1.38

B	I	II
B6501	(I.T)	O.1.39
B6502	(I.T)	O.1.40
B6503	(I.T)	O.1.41
B6504	(I.T)	O.1.42
B6505	(I.T)	O.1.43
B6506	(I.T)	O.1.44
B6507	(I.T)	O.1.45
B6508	(I.T)	O.1.46
B6509	(I.T)	O.1.47
B6510	(I.T)	O.1.48
B6511	(I.T)	O.1.49
B6512	(I.T)	O.1.50
B6513	(I.T)	O.1.51
B6514	(I.T)	O.1.52
B6515	(I.T)	O.1.53
B6516	(I.T)	O.1.54
B6517	(I.T)	O.1.55
B6518	(I.T)	O.1.56
B6519	(I.T)	O.1.57

B	I	II
B6520	(I.T)	O.1.58
B6521	(I.T)	O.1.59
B6522	(I.T)	O.1.60
B6523	(I.T)	O.1.61
B6524	(I.T)	O.1.62
B6525	(I.T)	O.1.63
B6526	(I.T)	O.1.64
B6527	(I.T)	O.1.65
B6528	(I.T)	O.1.66
B6529	(I.T)	O.1.67
B6530	(I.T)	O.1.68
B6531	(I.T)	O.1.69
B6532	(I.T)	O.1.70
B6533	(I.T)	O.1.71
B6534	(I.T)	O.1.72
B6535	(I.T)	O.1.73
B6536	(I.T)	O.1.74
B6537	(I.T)	O.1.75
B6538	(I.T)	O.1.76
B6539	(I.T)	O.1.77
B6540	(I.T)	O.1.78
B6541	(I.T)	O.1.79
B6542	(I.T)	O.1.80
B6543	(I.T)	O.1.81
B6544	(I.T)	O.1.82
B6545	(I.T)	O.1.83
B6546	(I.T)	O.1.84
B6547	(I.T)	O.1.85
B6548	(I.T)	O.1.86
B6549	(I.T)	O.1.87
B6550	(I.T)	O.1.88
B6551	(I.T)	O.1.89
B6552	(I.T)	O.1.90
B6553	(I.T)	O.1.91
B6554	(I.T)	O.2.1

B	I	II
B6555	(I.T)	O.2.2
B6556	(I.T)	O.2.3
B6557	(I.T)	O.2.4
B6558	(I.T)	O.2.5
B6559	(I.T)	O.2.6
B6560	(I.T)	O.2.7
B6561	(I.T)	O.3.1
B6562	(I.T)	O.3.2
B6563	(I.T)	O.3.3
B6564	(I.T)	O.3.4
B6565	(I.T)	O.3.5
B6566	(I.T)	O.3.6
B6567	(I.T)	O.3.7
B6568	(I.T)	O.3.8
B6569	(I.T)	O.3.9
B6570	(I.T)	O.3.10
B6571	(I.T)	O.3.11
B6572	(I.T)	O.3.12
B6573	(I.T)	O.3.13
B6574	(I.T)	O.3.14
B6575	(I.T)	O.3.15
B6576	(I.T)	O.3.16
B6577	(I.T)	O.3.17
B6578	(I.T)	O.3.18
B6579	(I.T)	O.3.19
B6580	(I.T)	O.3.20
B6581	(I.T)	O.3.21
B6582	(I.T)	O.3.22
B6583	(I.T)	O.3.23
B6584	(I.T)	O.3.24
B6585	(I.T)	O.3.25
B6586	(I.T)	O.3.26
B6587	(I.T)	O.3.27
B6588	(I.T)	O.3.28
B6589	(I.T)	O.3.29

B	I	II
B6590	(I.T)	O.3.30
B6591	(I.T)	O.3.31
B6592	(I.T)	O.3.32
B6593	(I.T)	O.3.33
B6594	(I.T)	O.3.34
B6595	(I.T)	O.3.35
B6596	(I.T)	O.3.36
B6597	(I.T)	O.3.37
B6598	(I.T)	O.3.38
B6599	(I.T)	O.3.39
B6600	(I.T)	O.3.40
B6601	(I.T)	O.3.41
B6602	(I.T)	O.3.42
B6603	(I.T)	O.3.43
B6604	(I.T)	O.3.44
B6605	(I.T)	O.3.45
B6606	(I.T)	O.3.46
B6607	(I.T)	O.3.47
B6608	(I.T)	O.3.48
B6609	(I.T)	O.3.49
B6610	(I.T)	O.4.1
B6611	(I.T)	O.4.2
B6612	(I.T)	O.4.3
B6613	(I.T)	O.4.4
B6614	(I.T)	O.4.5
B6615	(I.T)	O.4.6
B6616	(I.T)	O.4.7
B6617	(I.T)	O.4.8
B6618	(I.T)	O.4.9
B6619	(I.T)	O.4.10
B6620	(I.T)	O.4.11
B6621	(I.T)	O.4.12
B6622	(I.T)	O.4.13
B6623	(I.T)	O.4.14
B6624	(I.T)	O.4.15

B	I	II
B6625	(I.T)	O.5.1
B6626	(I.T)	O.5.2
B6627	(I.T)	O.6.1
B6628	(I.T)	O.6.2
B6629	(I.T)	O.6.3
B6630	(I.T)	O.6.4
B6631	(I.T)	O.6.5
B6632	(I.T)	O.7.1
B6633	(I.T)	O.7.2
B6634	(I.T)	O.7.3
B6635	(I.T)	O.7.4
B6636	(I.T)	O.7.5
B6637	(I.T)	O.8.1
B6638	(I.T)	O.8.2
B6639	(I.T)	O.8.3
B6640	(I.T)	O.8.4
B6641	(I.T)	O.8.5
B6642	(I.T)	O.9.1
B6643	(I.T)	O.9.2
B6644	(I.T)	O.10.1
B6645	(I.T)	O.10.2
B6646	(I.T)	O.10.3
B6647	(I.T)	O.10.4
B6648	(I.T)	O.11
B6649	(I.T)	O.12.1
B6650	(I.T)	O.12.2
B6651	(I.T)	O.12.3
B6652	(I.T)	O.12.4
B6653	(I.T)	O.12.5
B6654	(I.T)	O.12.6
B6655	(I.T)	O.13.1
B6656	(I.T)	O.13.2
B6657	(I.T)	O.13.3
B6658	(I.T)	O.14.1
B6659	(I.T)	O.14.2

B	I	II
B6660	(I.T)	O.14.3
B6661	(I.T)	O.14.4
B6662	(I.T)	O.15.1
B6663	(I.T)	O.15.2
B6664	(I.T)	O.15.3
B6665	(I.T)	O.15.4
B6666	(I.T)	O.15.5
B6667	(I.T)	O.15.6
B6668	(I.T)	O.15.7
B6669	(I.T)	O.15.8
B6670	(I.T)	O.15.9
B6671	(I.T)	O.15.10
B6672	(I.T)	O.15.11
B6673	(I.T)	O.16.1
B6674	(I.T)	O.17.1
B6675	(I.T)	O.18.1
B6676	(I.T)	O.18.2
B6677	(I.T)	O.18.3
B6678	(I.T)	O.18.4
B6679	(I.T)	O.18.5
B6680	(I.T)	O.19.1
B6681	(I.T)	O.20.1
B6682	(I.T)	O.20.2
B6683	(I.T)	O.20.3
B6684	(I.T)	O.20.4
B6685	(I.T)	O.21.1
B6686	(I.T)	O.21.2
B6687	(I.T)	O.21.3
B6688	(I.T)	O.21.4
B6689	(I.T)	O.21.5
B6690	(I.T)	O.21.6
B6691	(I.T)	O.21.7
B6692	(I.T)	O.22.1
B6693	(I.T)	O.22.2
B6694	(I.T)	O.22.3

B	I	II
B6695	(I.T)	O.22.4
B6696	(I.T)	O.23.1
B6697	(I.T)	O.23.2
B6698	(I.T)	O.23.3
B6699	(I.T)	O.23.4
B6700	(I.T)	O.24.1
B6701	(I.T)	O.24.2
B6702	(I.T)	O.24.3
B6703	(I.T)	O.24.4
B6704	(I.T)	O.24.5
B6705	(I.T)	O.25.1
B6706	(I.T)	O.25.2
B6707	(I.T)	O.26.1
B6708	(I.T)	O.26.2
B6709	(I.T)	O.26.3
B6710	(I.T)	O.26.4
B6711	(I.T)	O.26.5
B6712	(I.T)	O.26.6
B6713	(I.T)	O.26.7
B6714	(I.T)	O.26.8
B6715	(I.T)	O.26.9
B6716	(I.T)	O.26.10
B6717	(I.T)	O.26.11
B6718	(I.T)	O.26.12
B6719	(I.T)	O.26.13
B6720	(I.T)	O.26.14
B6721	(I.T)	O.26.15
B6722	(I.T)	O.26.16
B6723	(I.T)	O.26.17
B6724	(I.T)	O.26.18
B6725	(I.T)	O.27.1
B6726	(I.T)	O.27.2
B6727	(I.T)	O.27.3
B6728	(I.T)	O.27.4
B6729	(I.T)	O.27.5

B	I	II
B6730	(I.T)	O.27.6
B6731	(I.T)	O.27.7
B6732	(I.T)	O.27.8
B6733	(I.T)	O.27.9
B6734	(I.T)	O.27.10
B6735	(I.T)	O.27.11
B6736	(I.T)	O.27.12
B6737	(I.T)	O.27.13
B6738	(I.T)	O.27.14
B6739	(I.T)	O.27.15
B6740	(I.T)	O.27.16
B6741	(I.T)	O.27.17
B6742	(I.T)	O.27.18
B6743	(I.T)	O.27.19
B6744	(I.T)	O.27.20
B6745	(I.T)	O.27.21
B6746	(I.T)	O.27.22
B6747	(I.T)	O.27.23
B6748	(I.T)	O.27.24
B6749	(I.T)	O.27.25
B6750	(I.T)	O.27.26
B6751	(I.T)	O.27.27
B6752	(I.T)	O.27.28
B6753	(I.T)	O.27.29
B6754	(I.T)	O.27.30
B6755	(I.T)	O.27.31
B6756	(I.T)	O.27.32
B6757	(I.T)	O.27.33
B6758	(I.T)	O.27.34
B6759	(I.T)	O.27.35
B6760	(I.T)	O.27.36

B	I	II
B6761	(I.T)	O.27.37
B6762	(I.T)	O.27.38
B6763	(I.T)	O.27.42
B6764	(I.T)	O.27.43
B6765	(I.T)	O.27.44
B6766	(I.T)	O.27.45
B6767	(I.T)	O.27.46
B6768	(I.T)	O.27.47
B6769	(I.T)	O.27.48
B6770	(I.T)	O.27.49
B6771	(I.T)	O.27.50
B6772	(I.T)	O.27.51
B6773	(I.T)	O.27.52
B6774	(I.T)	O.27.53
B6775	(I.T)	O.27.54
B6776	(I.T)	O.27.55
B6777	(I.T)	O.27.56
B6778	(I.T)	O.27.57
B6779	(I.T)	O.27.58
B6780	(I.T)	O.27.59
B6781	(I.T)	O.27.60
B6782	(I.T)	O.27.61
B6783	(I.T)	O.27.62
B6784	(I.T)	O.27.63
B6785	(I.T)	O.27.64
B6786	(I.T)	O.27.65
B6787	(I.T)	O.27.66
B6788	(I.T)	O.27.67
B6789	(I.T)	O.27.68
B6790	(I.T)	O.27.69
B6791	(I.T)	O.27.70

B	I	II
B6792	(I.T)	O.27.71
B6793	(I.T)	O.27.72
B6794	(I.T)	O.27.73
B6795	(I.T)	O.27.74
B6796	(I.T)	O.27.75
B6797	(I.T)	O.27.76
B6798	(I.T)	O.27.77
B6799	(I.T)	O.27.78
B6800	(I.T)	O.27.79
B6801	(I.T)	O.27.80
B6802	(I.T)	O.27.81
B6803	(I.T)	O.27.82
B6804	(I.T)	O.27.83
B6805	(I.T)	O.27.84
B6806	(I.T)	O.27.85
B6807	(I.T)	O.27.86
B6808	(I.T)	O.27.87
B6809	(I.T)	O.27.88
B6810	(I.T)	O.27.89
B6811	(I.T)	O.27.90
B6812	(I.T)	O.27.91
B6813	(I.T)	O.27.92
B6814	(I.T)	O.27.93
B6815	(I.T)	O.27.94
B6816	(I.T)	O.27.95
B6817	(I.T)	O.27.96
B6818	(I.T)	O.27.97
B6819	(I.T)	O.27.98
B6820	(I.T)	O.27.99
B6821	(I.T)	O.29.1

Table 20:

B = Mixture; I = compound I; II = compound II

B	I	II
B6822	(I.U)	O.1.1
B6823	(I.U)	O.1.2
B6824	(I.U)	O.1.3
B6825	(I.U)	O.1.4
B6826	(I.U)	O.1.5
B6827	(I.U)	O.1.6
B6828	(I.U)	O.1.7
B6829	(I.U)	O.1.8
B6830	(I.U)	O.1.9
B6831	(I.U)	O.1.10
B6832	(I.U)	O.1.11
B6833	(I.U)	O.1.12
B6834	(I.U)	O.1.13
B6835	(I.U)	O.1.14
B6836	(I.U)	O.1.15
B6837	(I.U)	O.1.16
B6838	(I.U)	O.1.17
B6839	(I.U)	O.1.18
B6840	(I.U)	O.1.19
B6841	(I.U)	O.1.20
B6842	(I.U)	O.1.21
B6843	(I.U)	O.1.22
B6844	(I.U)	O.1.23
B6845	(I.U)	O.1.24
B6846	(I.U)	O.1.25
B6847	(I.U)	O.1.26
B6848	(I.U)	O.1.27
B6849	(I.U)	O.1.28
B6850	(I.U)	O.1.29
B6851	(I.U)	O.1.30
B6852	(I.U)	O.1.31
B6853	(I.U)	O.1.32
B6854	(I.U)	O.1.33
B6855	(I.U)	O.1.34
B6856	(I.U)	O.1.35

B	I	II
B6857	(I.U)	O.1.36
B6858	(I.U)	O.1.37
B6859	(I.U)	O.1.38
B6860	(I.U)	O.1.39
B6861	(I.U)	O.1.40
B6862	(I.U)	O.1.41
B6863	(I.U)	O.1.42
B6864	(I.U)	O.1.43
B6865	(I.U)	O.1.44
B6866	(I.U)	O.1.45
B6867	(I.U)	O.1.46
B6868	(I.U)	O.1.47
B6869	(I.U)	O.1.48
B6870	(I.U)	O.1.49
B6871	(I.U)	O.1.50
B6872	(I.U)	O.1.51
B6873	(I.U)	O.1.52
B6874	(I.U)	O.1.53
B6875	(I.U)	O.1.54
B6876	(I.U)	O.1.55
B6877	(I.U)	O.1.56
B6878	(I.U)	O.1.57
B6879	(I.U)	O.1.58
B6880	(I.U)	O.1.59
B6881	(I.U)	O.1.60
B6882	(I.U)	O.1.61
B6883	(I.U)	O.1.62
B6884	(I.U)	O.1.63
B6885	(I.U)	O.1.64
B6886	(I.U)	O.1.65
B6887	(I.U)	O.1.66
B6888	(I.U)	O.1.67
B6889	(I.U)	O.1.68
B6890	(I.U)	O.1.69
B6891	(I.U)	O.1.70

B	I	II
B6892	(I.U)	O.1.71
B6893	(I.U)	O.1.72
B6894	(I.U)	O.1.73
B6895	(I.U)	O.1.74
B6896	(I.U)	O.1.75
B6897	(I.U)	O.1.76
B6898	(I.U)	O.1.77
B6899	(I.U)	O.1.78
B6900	(I.U)	O.1.79
B6901	(I.U)	O.1.80
B6902	(I.U)	O.1.81
B6903	(I.U)	O.1.82
B6904	(I.U)	O.1.83
B6905	(I.U)	O.1.84
B6906	(I.U)	O.1.85
B6907	(I.U)	O.1.86
B6908	(I.U)	O.1.87
B6909	(I.U)	O.1.88
B6910	(I.U)	O.1.89
B6911	(I.U)	O.1.90
B6912	(I.U)	O.1.91
B6913	(I.U)	O.2.1
B6914	(I.U)	O.2.2
B6915	(I.U)	O.2.3
B6916	(I.U)	O.2.4
B6917	(I.U)	O.2.5
B6918	(I.U)	O.2.6
B6919	(I.U)	O.2.7
B6920	(I.U)	O.3.1
B6921	(I.U)	O.3.2
B6922	(I.U)	O.3.3
B6923	(I.U)	O.3.4
B6924	(I.U)	O.3.5
B6925	(I.U)	O.3.6
B6926	(I.U)	O.3.7

B	I	II
B6927	(I.U)	O.3.8
B6928	(I.U)	O.3.9
B6929	(I.U)	O.3.10
B6930	(I.U)	O.3.11
B6931	(I.U)	O.3.12
B6932	(I.U)	O.3.13
B6933	(I.U)	O.3.14
B6934	(I.U)	O.3.15
B6935	(I.U)	O.3.16
B6936	(I.U)	O.3.17
B6937	(I.U)	O.3.18
B6938	(I.U)	O.3.19
B6939	(I.U)	O.3.20
B6940	(I.U)	O.3.21
B6941	(I.U)	O.3.22
B6942	(I.U)	O.3.23
B6943	(I.U)	O.3.24
B6944	(I.U)	O.3.25
B6945	(I.U)	O.3.26
B6946	(I.U)	O.3.27
B6947	(I.U)	O.3.28
B6948	(I.U)	O.3.29
B6949	(I.U)	O.3.30
B6950	(I.U)	O.3.31
B6951	(I.U)	O.3.32
B6952	(I.U)	O.3.33
B6953	(I.U)	O.3.34
B6954	(I.U)	O.3.35
B6955	(I.U)	O.3.36
B6956	(I.U)	O.3.37
B6957	(I.U)	O.3.38
B6958	(I.U)	O.3.39
B6959	(I.U)	O.3.40
B6960	(I.U)	O.3.41
B6961	(I.U)	O.3.42

B	I	II
B6962	(I.U)	O.3.43
B6963	(I.U)	O.3.44
B6964	(I.U)	O.3.45
B6965	(I.U)	O.3.46
B6966	(I.U)	O.3.47
B6967	(I.U)	O.3.48
B6968	(I.U)	O.3.49
B6969	(I.U)	O.4.1
B6970	(I.U)	O.4.2
B6971	(I.U)	O.4.3
B6972	(I.U)	O.4.4
B6973	(I.U)	O.4.5
B6974	(I.U)	O.4.6
B6975	(I.U)	O.4.7
B6976	(I.U)	O.4.8
B6977	(I.U)	O.4.9
B6978	(I.U)	O.4.10
B6979	(I.U)	O.4.11
B6980	(I.U)	O.4.12
B6981	(I.U)	O.4.13
B6982	(I.U)	O.4.14
B6983	(I.U)	O.4.15
B6984	(I.U)	O.5.1
B6985	(I.U)	O.5.2
B6986	(I.U)	O.6.1
B6987	(I.U)	O.6.2
B6988	(I.U)	O.6.3
B6989	(I.U)	O.6.4
B6990	(I.U)	O.6.5
B6991	(I.U)	O.7.1
B6992	(I.U)	O.7.2
B6993	(I.U)	O.7.3
B6994	(I.U)	O.7.4
B6995	(I.U)	O.7.5
B6996	(I.U)	O.8.1

B	I	II
B6997	(I.U)	O.8.2
B6998	(I.U)	O.8.3
B6999	(I.U)	O.8.4
B7000	(I.U)	O.8.5
B7001	(I.U)	O.9.1
B7002	(I.U)	O.9.2
B7003	(I.U)	O.10.1
B7004	(I.U)	O.10.2
B7005	(I.U)	O.10.3
B7006	(I.U)	O.10.4
B7007	(I.U)	O.11
B7008	(I.U)	O.12.1
B7009	(I.U)	O.12.2
B7010	(I.U)	O.12.3
B7011	(I.U)	O.12.4
B7012	(I.U)	O.12.5
B7013	(I.U)	O.12.6
B7014	(I.U)	O.13.1
B7015	(I.U)	O.13.2
B7016	(I.U)	O.13.3
B7017	(I.U)	O.14.1
B7018	(I.U)	O.14.2
B7019	(I.U)	O.14.3
B7020	(I.U)	O.14.4
B7021	(I.U)	O.15.1
B7022	(I.U)	O.15.2
B7023	(I.U)	O.15.3
B7024	(I.U)	O.15.4
B7025	(I.U)	O.15.5
B7026	(I.U)	O.15.6
B7027	(I.U)	O.15.7
B7028	(I.U)	O.15.8
B7029	(I.U)	O.15.9
B7030	(I.U)	O.15.10
B7031	(I.U)	O.15.11

B	I	II
B7032	(I.U)	O.16.1
B7033	(I.U)	O.17.1
B7034	(I.U)	O.18.1
B7035	(I.U)	O.18.2
B7036	(I.U)	O.18.3
B7037	(I.U)	O.18.4
B7038	(I.U)	O.18.5
B7039	(I.U)	O.19.1
B7040	(I.U)	O.20.1
B7041	(I.U)	O.20.2
B7042	(I.U)	O.20.3
B7043	(I.U)	O.20.4
B7044	(I.U)	O.21.1
B7045	(I.U)	O.21.2
B7046	(I.U)	O.21.3
B7047	(I.U)	O.21.4
B7048	(I.U)	O.21.5
B7049	(I.U)	O.21.6
B7050	(I.U)	O.21.7
B7051	(I.U)	O.22.1
B7052	(I.U)	O.22.2
B7053	(I.U)	O.22.3
B7054	(I.U)	O.22.4
B7055	(I.U)	O.23.1
B7056	(I.U)	O.23.2
B7057	(I.U)	O.23.3
B7058	(I.U)	O.23.4
B7059	(I.U)	O.24.1
B7060	(I.U)	O.24.2
B7061	(I.U)	O.24.3
B7062	(I.U)	O.24.4
B7063	(I.U)	O.24.5
B7064	(I.U)	O.25.1
B7065	(I.U)	O.25.2
B7066	(I.U)	O.26.1

B	I	II
B7067	(I.U)	O.26.2
B7068	(I.U)	O.26.3
B7069	(I.U)	O.26.4
B7070	(I.U)	O.26.5
B7071	(I.U)	O.26.6
B7072	(I.U)	O.26.7
B7073	(I.U)	O.26.8
B7074	(I.U)	O.26.9
B7075	(I.U)	O.26.10
B7076	(I.U)	O.26.11
B7077	(I.U)	O.26.12
B7078	(I.U)	O.26.13
B7079	(I.U)	O.26.14
B7080	(I.U)	O.26.15
B7081	(I.U)	O.26.16
B7082	(I.U)	O.26.17
B7083	(I.U)	O.26.18
B7084	(I.U)	O.27.1
B7085	(I.U)	O.27.2
B7086	(I.U)	O.27.3
B7087	(I.U)	O.27.4
B7088	(I.U)	O.27.5
B7089	(I.U)	O.27.6
B7090	(I.U)	O.27.7
B7091	(I.U)	O.27.8
B7092	(I.U)	O.27.9
B7093	(I.U)	O.27.10
B7094	(I.U)	O.27.11
B7095	(I.U)	O.27.12
B7096	(I.U)	O.27.13
B7097	(I.U)	O.27.14
B7098	(I.U)	O.27.15
B7099	(I.U)	O.27.16
B7100	(I.U)	O.27.17
B7101	(I.U)	O.27.18

B	I	II
B7102	(I.U)	O.27.19
B7103	(I.U)	O.27.20
B7104	(I.U)	O.27.21
B7105	(I.U)	O.27.22
B7106	(I.U)	O.27.23
B7107	(I.U)	O.27.24
B7108	(I.U)	O.27.25
B7109	(I.U)	O.27.26
B7110	(I.U)	O.27.27
B7111	(I.U)	O.27.28
B7112	(I.U)	O.27.29
B7113	(I.U)	O.27.30
B7114	(I.U)	O.27.31
B7115	(I.U)	O.27.32
B7116	(I.U)	O.27.33
B7117	(I.U)	O.27.34
B7118	(I.U)	O.27.35
B7119	(I.U)	O.27.36
B7120	(I.U)	O.27.37
B7121	(I.U)	O.27.38
B7122	(I.U)	O.27.42
B7123	(I.U)	O.27.43
B7124	(I.U)	O.27.44
B7125	(I.U)	O.27.45
B7126	(I.U)	O.27.46
B7127	(I.U)	O.27.47
B7128	(I.U)	O.27.48
B7129	(I.U)	O.27.49
B7130	(I.U)	O.27.50
B7131	(I.U)	O.27.51
B7132	(I.U)	O.27.52
B7133	(I.U)	O.27.53
B7134	(I.U)	O.27.54
B7135	(I.U)	O.27.55
B7136	(I.U)	O.27.56

B	I	II
B7137	(I.U)	O.27.57
B7138	(I.U)	O.27.58
B7139	(I.U)	O.27.59
B7140	(I.U)	O.27.60
B7141	(I.U)	O.27.61
B7142	(I.U)	O.27.62
B7143	(I.U)	O.27.63
B7144	(I.U)	O.27.64
B7145	(I.U)	O.27.65
B7146	(I.U)	O.27.66
B7147	(I.U)	O.27.67
B7148	(I.U)	O.27.68
B7149	(I.U)	O.27.69
B7150	(I.U)	O.27.70
B7151	(I.U)	O.27.71

B	I	II
B7152	(I.U)	O.27.72
B7153	(I.U)	O.27.73
B7154	(I.U)	O.27.74
B7155	(I.U)	O.27.75
B7156	(I.U)	O.27.76
B7157	(I.U)	O.27.77
B7158	(I.U)	O.27.78
B7159	(I.U)	O.27.79
B7160	(I.U)	O.27.80
B7161	(I.U)	O.27.81
B7162	(I.U)	O.27.82
B7163	(I.U)	O.27.83
B7164	(I.U)	O.27.84
B7165	(I.U)	O.27.85
B7166	(I.U)	O.27.86

B	I	II
B7167	(I.U)	O.27.87
B7168	(I.U)	O.27.88
B7169	(I.U)	O.27.89
B7170	(I.U)	O.27.90
B7171	(I.U)	O.27.91
B7172	(I.U)	O.27.92
B7173	(I.U)	O.27.93
B7174	(I.U)	O.27.94
B7175	(I.U)	O.27.95
B7176	(I.U)	O.27.96
B7177	(I.U)	O.27.97
B7178	(I.U)	O.27.98
B7179	(I.U)	O.27.99
B7180	(I.U)	O.29.1

Table 21:

B = Mixture; I = compound I; II = compound II

B	I	II
B7181	(I.V)	O.1.1
B7182	(I.V)	O.1.2
B7183	(I.V)	O.1.3
B7184	(I.V)	O.1.4
B7185	(I.V)	O.1.5
B7186	(I.V)	O.1.6
B7187	(I.V)	O.1.7
B7188	(I.V)	O.1.8
B7189	(I.V)	O.1.9
B7190	(I.V)	O.1.10
B7191	(I.V)	O.1.11
B7192	(I.V)	O.1.12
B7193	(I.V)	O.1.13
B7194	(I.V)	O.1.14
B7195	(I.V)	O.1.15

B	I	II
B7196	(I.V)	O.1.16
B7197	(I.V)	O.1.17
B7198	(I.V)	O.1.18
B7199	(I.V)	O.1.19
B7200	(I.V)	O.1.20
B7201	(I.V)	O.1.21
B7202	(I.V)	O.1.22
B7203	(I.V)	O.1.23
B7204	(I.V)	O.1.24
B7205	(I.V)	O.1.25
B7206	(I.V)	O.1.26
B7207	(I.V)	O.1.27
B7208	(I.V)	O.1.28
B7209	(I.V)	O.1.29
B7210	(I.V)	O.1.30

B	I	II
B7211	(I.V)	O.1.31
B7212	(I.V)	O.1.32
B7213	(I.V)	O.1.33
B7214	(I.V)	O.1.34
B7215	(I.V)	O.1.35
B7216	(I.V)	O.1.36
B7217	(I.V)	O.1.37
B7218	(I.V)	O.1.38
B7219	(I.V)	O.1.39
B7220	(I.V)	O.1.40
B7221	(I.V)	O.1.41
B7222	(I.V)	O.1.42
B7223	(I.V)	O.1.43
B7224	(I.V)	O.1.44
B7225	(I.V)	O.1.45

B	I	II
B7226	(I.V)	O.1.46
B7227	(I.V)	O.1.47
B7228	(I.V)	O.1.48
B7229	(I.V)	O.1.49
B7230	(I.V)	O.1.50
B7231	(I.V)	O.1.51
B7232	(I.V)	O.1.52
B7233	(I.V)	O.1.53
B7234	(I.V)	O.1.54
B7235	(I.V)	O.1.55
B7236	(I.V)	O.1.56
B7237	(I.V)	O.1.57
B7238	(I.V)	O.1.58
B7239	(I.V)	O.1.59
B7240	(I.V)	O.1.60
B7241	(I.V)	O.1.61
B7242	(I.V)	O.1.62
B7243	(I.V)	O.1.63
B7244	(I.V)	O.1.64
B7245	(I.V)	O.1.65
B7246	(I.V)	O.1.66
B7247	(I.V)	O.1.67
B7248	(I.V)	O.1.68
B7249	(I.V)	O.1.69
B7250	(I.V)	O.1.70
B7251	(I.V)	O.1.71
B7252	(I.V)	O.1.72
B7253	(I.V)	O.1.73
B7254	(I.V)	O.1.74
B7255	(I.V)	O.1.75
B7256	(I.V)	O.1.76
B7257	(I.V)	O.1.77
B7258	(I.V)	O.1.78
B7259	(I.V)	O.1.79
B7260	(I.V)	O.1.80

B	I	II
B7261	(I.V)	O.1.81
B7262	(I.V)	O.1.82
B7263	(I.V)	O.1.83
B7264	(I.V)	O.1.84
B7265	(I.V)	O.1.85
B7266	(I.V)	O.1.86
B7267	(I.V)	O.1.87
B7268	(I.V)	O.1.88
B7269	(I.V)	O.1.89
B7270	(I.V)	O.1.90
B7271	(I.V)	O.1.91
B7272	(I.V)	O.2.1
B7273	(I.V)	O.2.2
B7274	(I.V)	O.2.3
B7275	(I.V)	O.2.4
B7276	(I.V)	O.2.5
B7277	(I.V)	O.2.6
B7278	(I.V)	O.2.7
B7279	(I.V)	O.3.1
B7280	(I.V)	O.3.2
B7281	(I.V)	O.3.3
B7282	(I.V)	O.3.4
B7283	(I.V)	O.3.5
B7284	(I.V)	O.3.6
B7285	(I.V)	O.3.7
B7286	(I.V)	O.3.8
B7287	(I.V)	O.3.9
B7288	(I.V)	O.3.10
B7289	(I.V)	O.3.11
B7290	(I.V)	O.3.12
B7291	(I.V)	O.3.13
B7292	(I.V)	O.3.14
B7293	(I.V)	O.3.15
B7294	(I.V)	O.3.16
B7295	(I.V)	O.3.17

B	I	II
B7296	(I.V)	O.3.18
B7297	(I.V)	O.3.19
B7298	(I.V)	O.3.20
B7299	(I.V)	O.3.21
B7300	(I.V)	O.3.22
B7301	(I.V)	O.3.23
B7302	(I.V)	O.3.24
B7303	(I.V)	O.3.25
B7304	(I.V)	O.3.26
B7305	(I.V)	O.3.27
B7306	(I.V)	O.3.28
B7307	(I.V)	O.3.29
B7308	(I.V)	O.3.30
B7309	(I.V)	O.3.31
B7310	(I.V)	O.3.32
B7311	(I.V)	O.3.33
B7312	(I.V)	O.3.34
B7313	(I.V)	O.3.35
B7314	(I.V)	O.3.36
B7315	(I.V)	O.3.37
B7316	(I.V)	O.3.38
B7317	(I.V)	O.3.39
B7318	(I.V)	O.3.40
B7319	(I.V)	O.3.41
B7320	(I.V)	O.3.42
B7321	(I.V)	O.3.43
B7322	(I.V)	O.3.44
B7323	(I.V)	O.3.45
B7324	(I.V)	O.3.46
B7325	(I.V)	O.3.47
B7326	(I.V)	O.3.48
B7327	(I.V)	O.3.49
B7328	(I.V)	O.4.1
B7329	(I.V)	O.4.2
B7330	(I.V)	O.4.3

B	I	II
B7331	(I.V)	O.4.4
B7332	(I.V)	O.4.5
B7333	(I.V)	O.4.6
B7334	(I.V)	O.4.7
B7335	(I.V)	O.4.8
B7336	(I.V)	O.4.9
B7337	(I.V)	O.4.10
B7338	(I.V)	O.4.11
B7339	(I.V)	O.4.12
B7340	(I.V)	O.4.13
B7341	(I.V)	O.4.14
B7342	(I.V)	O.4.15
B7343	(I.V)	O.5.1
B7344	(I.V)	O.5.2
B7345	(I.V)	O.6.1
B7346	(I.V)	O.6.2
B7347	(I.V)	O.6.3
B7348	(I.V)	O.6.4
B7349	(I.V)	O.6.5
B7350	(I.V)	O.7.1
B7351	(I.V)	O.7.2
B7352	(I.V)	O.7.3
B7353	(I.V)	O.7.4
B7354	(I.V)	O.7.5
B7355	(I.V)	O.8.1
B7356	(I.V)	O.8.2
B7357	(I.V)	O.8.3
B7358	(I.V)	O.8.4
B7359	(I.V)	O.8.5
B7360	(I.V)	O.9.1
B7361	(I.V)	O.9.2
B7362	(I.V)	O.10.1
B7363	(I.V)	O.10.2
B7364	(I.V)	O.10.3
B7365	(I.V)	O.10.4

B	I	II
B7366	(I.V)	O.11
B7367	(I.V)	O.12.1
B7368	(I.V)	O.12.2
B7369	(I.V)	O.12.3
B7370	(I.V)	O.12.4
B7371	(I.V)	O.12.5
B7372	(I.V)	O.12.6
B7373	(I.V)	O.13.1
B7374	(I.V)	O.13.2
B7375	(I.V)	O.13.3
B7376	(I.V)	O.14.1
B7377	(I.V)	O.14.2
B7378	(I.V)	O.14.3
B7379	(I.V)	O.14.4
B7380	(I.V)	O.15.1
B7381	(I.V)	O.15.2
B7382	(I.V)	O.15.3
B7383	(I.V)	O.15.4
B7384	(I.V)	O.15.5
B7385	(I.V)	O.15.6
B7386	(I.V)	O.15.7
B7387	(I.V)	O.15.8
B7388	(I.V)	O.15.9
B7389	(I.V)	O.15.10
B7390	(I.V)	O.15.11
B7391	(I.V)	O.16.1
B7392	(I.V)	O.17.1
B7393	(I.V)	O.18.1
B7394	(I.V)	O.18.2
B7395	(I.V)	O.18.3
B7396	(I.V)	O.18.4
B7397	(I.V)	O.18.5
B7398	(I.V)	O.19.1
B7399	(I.V)	O.20.1
B7400	(I.V)	O.20.2

B	I	II
B7401	(I.V)	O.20.3
B7402	(I.V)	O.20.4
B7403	(I.V)	O.21.1
B7404	(I.V)	O.21.2
B7405	(I.V)	O.21.3
B7406	(I.V)	O.21.4
B7407	(I.V)	O.21.5
B7408	(I.V)	O.21.6
B7409	(I.V)	O.21.7
B7410	(I.V)	O.22.1
B7411	(I.V)	O.22.2
B7412	(I.V)	O.22.3
B7413	(I.V)	O.22.4
B7414	(I.V)	O.23.1
B7415	(I.V)	O.23.2
B7416	(I.V)	O.23.3
B7417	(I.V)	O.23.4
B7418	(I.V)	O.24.1
B7419	(I.V)	O.24.2
B7420	(I.V)	O.24.3
B7421	(I.V)	O.24.4
B7422	(I.V)	O.24.5
B7423	(I.V)	O.25.1
B7424	(I.V)	O.25.2
B7425	(I.V)	O.26.1
B7426	(I.V)	O.26.2
B7427	(I.V)	O.26.3
B7428	(I.V)	O.26.4
B7429	(I.V)	O.26.5
B7430	(I.V)	O.26.6
B7431	(I.V)	O.26.7
B7432	(I.V)	O.26.8
B7433	(I.V)	O.26.9
B7434	(I.V)	O.26.10
B7435	(I.V)	O.26.11

B	I	II
B7436	(I.V)	O.26.12
B7437	(I.V)	O.26.13
B7438	(I.V)	O.26.14
B7439	(I.V)	O.26.15
B7440	(I.V)	O.26.16
B7441	(I.V)	O.26.17
B7442	(I.V)	O.26.18
B7443	(I.V)	O.27.1
B7444	(I.V)	O.27.2
B7445	(I.V)	O.27.3
B7446	(I.V)	O.27.4
B7447	(I.V)	O.27.5
B7448	(I.V)	O.27.6
B7449	(I.V)	O.27.7
B7450	(I.V)	O.27.8
B7451	(I.V)	O.27.9
B7452	(I.V)	O.27.10
B7453	(I.V)	O.27.11
B7454	(I.V)	O.27.12
B7455	(I.V)	O.27.13
B7456	(I.V)	O.27.14
B7457	(I.V)	O.27.15
B7458	(I.V)	O.27.16
B7459	(I.V)	O.27.17
B7460	(I.V)	O.27.18
B7461	(I.V)	O.27.19
B7462	(I.V)	O.27.20
B7463	(I.V)	O.27.21
B7464	(I.V)	O.27.22
B7465	(I.V)	O.27.23
B7466	(I.V)	O.27.24
B7467	(I.V)	O.27.25
B7468	(I.V)	O.27.26
B7469	(I.V)	O.27.27
B7470	(I.V)	O.27.28

B	I	II
B7471	(I.V)	O.27.29
B7472	(I.V)	O.27.30
B7473	(I.V)	O.27.31
B7474	(I.V)	O.27.32
B7475	(I.V)	O.27.33
B7476	(I.V)	O.27.34
B7477	(I.V)	O.27.35
B7478	(I.V)	O.27.36
B7479	(I.V)	O.27.37
B7480	(I.V)	O.27.38
B7481	(I.V)	O.27.42
B7482	(I.V)	O.27.43
B7483	(I.V)	O.27.44
B7484	(I.V)	O.27.45
B7485	(I.V)	O.27.46
B7486	(I.V)	O.27.47
B7487	(I.V)	O.27.48
B7488	(I.V)	O.27.49
B7489	(I.V)	O.27.50
B7490	(I.V)	O.27.51
B7491	(I.V)	O.27.52
B7492	(I.V)	O.27.53
B7493	(I.V)	O.27.54
B7494	(I.V)	O.27.55
B7495	(I.V)	O.27.56
B7496	(I.V)	O.27.57
B7497	(I.V)	O.27.58
B7498	(I.V)	O.27.59
B7499	(I.V)	O.27.60
B7500	(I.V)	O.27.61
B7501	(I.V)	O.27.62
B7502	(I.V)	O.27.63
B7503	(I.V)	O.27.64
B7504	(I.V)	O.27.65
B7505	(I.V)	O.27.66

B	I	II
B7506	(I.V)	O.27.67
B7507	(I.V)	O.27.68
B7508	(I.V)	O.27.69
B7509	(I.V)	O.27.70
B7510	(I.V)	O.27.71
B7511	(I.V)	O.27.72
B7512	(I.V)	O.27.73
B7513	(I.V)	O.27.74
B7514	(I.V)	O.27.75
B7515	(I.V)	O.27.76
B7516	(I.V)	O.27.77
B7517	(I.V)	O.27.78
B7518	(I.V)	O.27.79
B7519	(I.V)	O.27.80
B7520	(I.V)	O.27.81
B7521	(I.V)	O.27.82
B7522	(I.V)	O.27.83
B7523	(I.V)	O.27.84
B7524	(I.V)	O.27.85
B7525	(I.V)	O.27.86
B7526	(I.V)	O.27.87
B7527	(I.V)	O.27.88
B7528	(I.V)	O.27.89
B7529	(I.V)	O.27.90
B7530	(I.V)	O.27.91
B7531	(I.V)	O.27.92
B7532	(I.V)	O.27.93
B7533	(I.V)	O.27.94
B7534	(I.V)	O.27.95
B7535	(I.V)	O.27.96
B7536	(I.V)	O.27.97
B7537	(I.V)	O.27.98
B7538	(I.V)	O.27.99
B7539	(I.V)	O.29.1

Table 22:

B = Mixture; I = compound I; II = compound II

B	I	II
B7540	(I.W)	O.1.1
B7541	(I.W)	O.1.2
B7542	(I.W)	O.1.3
B7543	(I.W)	O.1.4
B7544	(I.W)	O.1.5
B7545	(I.W)	O.1.6
B7546	(I.W)	O.1.7
B7547	(I.W)	O.1.8
B7548	(I.W)	O.1.9
B7549	(I.W)	O.1.10
B7550	(I.W)	O.1.11
B7551	(I.W)	O.1.12
B7552	(I.W)	O.1.13
B7553	(I.W)	O.1.14
B7554	(I.W)	O.1.15
B7555	(I.W)	O.1.16
B7556	(I.W)	O.1.17
B7557	(I.W)	O.1.18
B7558	(I.W)	O.1.19
B7559	(I.W)	O.1.20
B7560	(I.W)	O.1.21
B7561	(I.W)	O.1.22
B7562	(I.W)	O.1.23
B7563	(I.W)	O.1.24
B7564	(I.W)	O.1.25
B7565	(I.W)	O.1.26
B7566	(I.W)	O.1.27
B7567	(I.W)	O.1.28
B7568	(I.W)	O.1.29
B7569	(I.W)	O.1.30
B7570	(I.W)	O.1.31

B	I	II
B7571	(I.W)	O.1.32
B7572	(I.W)	O.1.33
B7573	(I.W)	O.1.34
B7574	(I.W)	O.1.35
B7575	(I.W)	O.1.36
B7576	(I.W)	O.1.37
B7577	(I.W)	O.1.38
B7578	(I.W)	O.1.39
B7579	(I.W)	O.1.40
B7580	(I.W)	O.1.41
B7581	(I.W)	O.1.42
B7582	(I.W)	O.1.43
B7583	(I.W)	O.1.44
B7584	(I.W)	O.1.45
B7585	(I.W)	O.1.46
B7586	(I.W)	O.1.47
B7587	(I.W)	O.1.48
B7588	(I.W)	O.1.49
B7589	(I.W)	O.1.50
B7590	(I.W)	O.1.51
B7591	(I.W)	O.1.52
B7592	(I.W)	O.1.53
B7593	(I.W)	O.1.54
B7594	(I.W)	O.1.55
B7595	(I.W)	O.1.56
B7596	(I.W)	O.1.57
B7597	(I.W)	O.1.58
B7598	(I.W)	O.1.59
B7599	(I.W)	O.1.60
B7600	(I.W)	O.1.61
B7601	(I.W)	O.1.62

B	I	II
B7602	(I.W)	O.1.63
B7603	(I.W)	O.1.64
B7604	(I.W)	O.1.65
B7605	(I.W)	O.1.66
B7606	(I.W)	O.1.67
B7607	(I.W)	O.1.68
B7608	(I.W)	O.1.69
B7609	(I.W)	O.1.70
B7610	(I.W)	O.1.71
B7611	(I.W)	O.1.72
B7612	(I.W)	O.1.73
B7613	(I.W)	O.1.74
B7614	(I.W)	O.1.75
B7615	(I.W)	O.1.76
B7616	(I.W)	O.1.77
B7617	(I.W)	O.1.78
B7618	(I.W)	O.1.79
B7619	(I.W)	O.1.80
B7620	(I.W)	O.1.81
B7621	(I.W)	O.1.82
B7622	(I.W)	O.1.83
B7623	(I.W)	O.1.84
B7624	(I.W)	O.1.85
B7625	(I.W)	O.1.86
B7626	(I.W)	O.1.87
B7627	(I.W)	O.1.88
B7628	(I.W)	O.1.89
B7629	(I.W)	O.1.90
B7630	(I.W)	O.1.91
B7631	(I.W)	O.2.1
B7632	(I.W)	O.2.2

B	I	II
B7633	(I.W)	O.2.3
B7634	(I.W)	O.2.4
B7635	(I.W)	O.2.5
B7636	(I.W)	O.2.6
B7637	(I.W)	O.2.7
B7638	(I.W)	O.3.1
B7639	(I.W)	O.3.2
B7640	(I.W)	O.3.3
B7641	(I.W)	O.3.4
B7642	(I.W)	O.3.5
B7643	(I.W)	O.3.6
B7644	(I.W)	O.3.7
B7645	(I.W)	O.3.8
B7646	(I.W)	O.3.9
B7647	(I.W)	O.3.10
B7648	(I.W)	O.3.11
B7649	(I.W)	O.3.12
B7650	(I.W)	O.3.13
B7651	(I.W)	O.3.14
B7652	(I.W)	O.3.15
B7653	(I.W)	O.3.16
B7654	(I.W)	O.3.17
B7655	(I.W)	O.3.18
B7656	(I.W)	O.3.19
B7657	(I.W)	O.3.20
B7658	(I.W)	O.3.21
B7659	(I.W)	O.3.22
B7660	(I.W)	O.3.23
B7661	(I.W)	O.3.24
B7662	(I.W)	O.3.25
B7663	(I.W)	O.3.26
B7664	(I.W)	O.3.27
B7665	(I.W)	O.3.28
B7666	(I.W)	O.3.29
B7667	(I.W)	O.3.30

B	I	II
B7668	(I.W)	O.3.31
B7669	(I.W)	O.3.32
B7670	(I.W)	O.3.33
B7671	(I.W)	O.3.34
B7672	(I.W)	O.3.35
B7673	(I.W)	O.3.36
B7674	(I.W)	O.3.37
B7675	(I.W)	O.3.38
B7676	(I.W)	O.3.39
B7677	(I.W)	O.3.40
B7678	(I.W)	O.3.41
B7679	(I.W)	O.3.42
B7680	(I.W)	O.3.43
B7681	(I.W)	O.3.44
B7682	(I.W)	O.3.45
B7683	(I.W)	O.3.46
B7684	(I.W)	O.3.47
B7685	(I.W)	O.3.48
B7686	(I.W)	O.3.49
B7687	(I.W)	O.4.1
B7688	(I.W)	O.4.2
B7689	(I.W)	O.4.3
B7690	(I.W)	O.4.4
B7691	(I.W)	O.4.5
B7692	(I.W)	O.4.6
B7693	(I.W)	O.4.7
B7694	(I.W)	O.4.8
B7695	(I.W)	O.4.9
B7696	(I.W)	O.4.10
B7697	(I.W)	O.4.11
B7698	(I.W)	O.4.12
B7699	(I.W)	O.4.13
B7700	(I.W)	O.4.14
B7701	(I.W)	O.4.15
B7702	(I.W)	O.5.1

B	I	II
B7703	(I.W)	O.5.2
B7704	(I.W)	O.6.1
B7705	(I.W)	O.6.2
B7706	(I.W)	O.6.3
B7707	(I.W)	O.6.4
B7708	(I.W)	O.6.5
B7709	(I.W)	O.7.1
B7710	(I.W)	O.7.2
B7711	(I.W)	O.7.3
B7712	(I.W)	O.7.4
B7713	(I.W)	O.7.5
B7714	(I.W)	O.8.1
B7715	(I.W)	O.8.2
B7716	(I.W)	O.8.3
B7717	(I.W)	O.8.4
B7718	(I.W)	O.8.5
B7719	(I.W)	O.9.1
B7720	(I.W)	O.9.2
B7721	(I.W)	O.10.1
B7722	(I.W)	O.10.2
B7723	(I.W)	O.10.3
B7724	(I.W)	O.10.4
B7725	(I.W)	O.11
B7726	(I.W)	O.12.1
B7727	(I.W)	O.12.2
B7728	(I.W)	O.12.3
B7729	(I.W)	O.12.4
B7730	(I.W)	O.12.5
B7731	(I.W)	O.12.6
B7732	(I.W)	O.13.1
B7733	(I.W)	O.13.2
B7734	(I.W)	O.13.3
B7735	(I.W)	O.14.1
B7736	(I.W)	O.14.2
B7737	(I.W)	O.14.3

B	I	II
B7738	(I.W)	O.14.4
B7739	(I.W)	O.15.1
B7740	(I.W)	O.15.2
B7741	(I.W)	O.15.3
B7742	(I.W)	O.15.4
B7743	(I.W)	O.15.5
B7744	(I.W)	O.15.6
B7745	(I.W)	O.15.7
B7746	(I.W)	O.15.8
B7747	(I.W)	O.15.9
B7748	(I.W)	O.15.10
B7749	(I.W)	O.15.11
B7750	(I.W)	O.16.1
B7751	(I.W)	O.17.1
B7752	(I.W)	O.18.1
B7753	(I.W)	O.18.2
B7754	(I.W)	O.18.3
B7755	(I.W)	O.18.4
B7756	(I.W)	O.18.5
B7757	(I.W)	O.19.1
B7758	(I.W)	O.20.1
B7759	(I.W)	O.20.2
B7760	(I.W)	O.20.3
B7761	(I.W)	O.20.4
B7762	(I.W)	O.21.1
B7763	(I.W)	O.21.2
B7764	(I.W)	O.21.3
B7765	(I.W)	O.21.4
B7766	(I.W)	O.21.5
B7767	(I.W)	O.21.6
B7768	(I.W)	O.21.7
B7769	(I.W)	O.22.1
B7770	(I.W)	O.22.2
B7771	(I.W)	O.22.3
B7772	(I.W)	O.22.4

B	I	II
B7773	(I.W)	O.23.1
B7774	(I.W)	O.23.2
B7775	(I.W)	O.23.3
B7776	(I.W)	O.23.4
B7777	(I.W)	O.24.1
B7778	(I.W)	O.24.2
B7779	(I.W)	O.24.3
B7780	(I.W)	O.24.4
B7781	(I.W)	O.24.5
B7782	(I.W)	O.25.1
B7783	(I.W)	O.25.2
B7784	(I.W)	O.26.1
B7785	(I.W)	O.26.2
B7786	(I.W)	O.26.3
B7787	(I.W)	O.26.4
B7788	(I.W)	O.26.5
B7789	(I.W)	O.26.6
B7790	(I.W)	O.26.7
B7791	(I.W)	O.26.8
B7792	(I.W)	O.26.9
B7793	(I.W)	O.26.10
B7794	(I.W)	O.26.11
B7795	(I.W)	O.26.12
B7796	(I.W)	O.26.13
B7797	(I.W)	O.26.14
B7798	(I.W)	O.26.15
B7799	(I.W)	O.26.16
B7800	(I.W)	O.26.17
B7801	(I.W)	O.26.18
B7802	(I.W)	O.27.1
B7803	(I.W)	O.27.2
B7804	(I.W)	O.27.3
B7805	(I.W)	O.27.4
B7806	(I.W)	O.27.5
B7807	(I.W)	O.27.6

B	I	II
B7808	(I.W)	O.27.7
B7809	(I.W)	O.27.8
B7810	(I.W)	O.27.9
B7811	(I.W)	O.27.10
B7812	(I.W)	O.27.11
B7813	(I.W)	O.27.12
B7814	(I.W)	O.27.13
B7815	(I.W)	O.27.14
B7816	(I.W)	O.27.15
B7817	(I.W)	O.27.16
B7818	(I.W)	O.27.17
B7819	(I.W)	O.27.18
B7820	(I.W)	O.27.19
B7821	(I.W)	O.27.20
B7822	(I.W)	O.27.21
B7823	(I.W)	O.27.22
B7824	(I.W)	O.27.23
B7825	(I.W)	O.27.24
B7826	(I.W)	O.27.25
B7827	(I.W)	O.27.26
B7828	(I.W)	O.27.27
B7829	(I.W)	O.27.28
B7830	(I.W)	O.27.29
B7831	(I.W)	O.27.30
B7832	(I.W)	O.27.31
B7833	(I.W)	O.27.32
B7834	(I.W)	O.27.33
B7835	(I.W)	O.27.34
B7836	(I.W)	O.27.35
B7837	(I.W)	O.27.36
B7838	(I.W)	O.27.37
B7839	(I.W)	O.27.38
B7840	(I.W)	O.27.42
B7841	(I.W)	O.27.43
B7842	(I.W)	O.27.44

B	I	II
B7843	(I.W)	O.27.45
B7844	(I.W)	O.27.46
B7845	(I.W)	O.27.47
B7846	(I.W)	O.27.48
B7847	(I.W)	O.27.49
B7848	(I.W)	O.27.50
B7849	(I.W)	O.27.51
B7850	(I.W)	O.27.52
B7851	(I.W)	O.27.53
B7852	(I.W)	O.27.54
B7853	(I.W)	O.27.55
B7854	(I.W)	O.27.56
B7855	(I.W)	O.27.57
B7856	(I.W)	O.27.58
B7857	(I.W)	O.27.59
B7858	(I.W)	O.27.60
B7859	(I.W)	O.27.61
B7860	(I.W)	O.27.62
B7861	(I.W)	O.27.63

B	I	II
B7862	(I.W)	O.27.64
B7863	(I.W)	O.27.65
B7864	(I.W)	O.27.66
B7865	(I.W)	O.27.67
B7866	(I.W)	O.27.68
B7867	(I.W)	O.27.69
B7868	(I.W)	O.27.70
B7869	(I.W)	O.27.71
B7870	(I.W)	O.27.72
B7871	(I.W)	O.27.73
B7872	(I.W)	O.27.74
B7873	(I.W)	O.27.75
B7874	(I.W)	O.27.76
B7875	(I.W)	O.27.77
B7876	(I.W)	O.27.78
B7877	(I.W)	O.27.79
B7878	(I.W)	O.27.80
B7879	(I.W)	O.27.81
B7880	(I.W)	O.27.82

B	I	II
B7881	(I.W)	O.27.83
B7882	(I.W)	O.27.84
B7883	(I.W)	O.27.85
B7884	(I.W)	O.27.86
B7885	(I.W)	O.27.87
B7886	(I.W)	O.27.88
B7887	(I.W)	O.27.89
B7888	(I.W)	O.27.90
B7889	(I.W)	O.27.91
B7890	(I.W)	O.27.92
B7891	(I.W)	O.27.93
B7892	(I.W)	O.27.94
B7893	(I.W)	O.27.95
B7894	(I.W)	O.27.96
B7895	(I.W)	O.27.97
B7896	(I.W)	O.27.98
B7897	(I.W)	O.27.99
B7898	(I.W)	O.29.1

Table 23:

B = Mixture; I = compound I; II = compound II

B	I	II
B7899	(I.X)	O.1.1
B7900	(I.X)	O.1.2
B7901	(I.X)	O.1.3
B7902	(I.X)	O.1.4
B7903	(I.X)	O.1.5
B7904	(I.X)	O.1.6
B7905	(I.X)	O.1.7
B7906	(I.X)	O.1.8
B7907	(I.X)	O.1.9
B7908	(I.X)	O.1.10
B7909	(I.X)	O.1.11

B	I	II
B7910	(I.X)	O.1.12
B7911	(I.X)	O.1.13
B7912	(I.X)	O.1.14
B7913	(I.X)	O.1.15
B7914	(I.X)	O.1.16
B7915	(I.X)	O.1.17
B7916	(I.X)	O.1.18
B7917	(I.X)	O.1.19
B7918	(I.X)	O.1.20
B7919	(I.X)	O.1.21
B7920	(I.X)	O.1.22

B	I	II
B7921	(I.X)	O.1.23
B7922	(I.X)	O.1.24
B7923	(I.X)	O.1.25
B7924	(I.X)	O.1.26
B7925	(I.X)	O.1.27
B7926	(I.X)	O.1.28
B7927	(I.X)	O.1.29
B7928	(I.X)	O.1.30
B7929	(I.X)	O.1.31
B7930	(I.X)	O.1.32
B7931	(I.X)	O.1.33

B	I	II
B7932	(I.X)	O.1.34
B7933	(I.X)	O.1.35
B7934	(I.X)	O.1.36
B7935	(I.X)	O.1.37
B7936	(I.X)	O.1.38
B7937	(I.X)	O.1.39
B7938	(I.X)	O.1.40
B7939	(I.X)	O.1.41
B7940	(I.X)	O.1.42
B7941	(I.X)	O.1.43
B7942	(I.X)	O.1.44
B7943	(I.X)	O.1.45
B7944	(I.X)	O.1.46
B7945	(I.X)	O.1.47
B7946	(I.X)	O.1.48
B7947	(I.X)	O.1.49
B7948	(I.X)	O.1.50
B7949	(I.X)	O.1.51
B7950	(I.X)	O.1.52
B7951	(I.X)	O.1.53
B7952	(I.X)	O.1.54
B7953	(I.X)	O.1.55
B7954	(I.X)	O.1.56
B7955	(I.X)	O.1.57
B7956	(I.X)	O.1.58
B7957	(I.X)	O.1.59
B7958	(I.X)	O.1.60
B7959	(I.X)	O.1.61
B7960	(I.X)	O.1.62
B7961	(I.X)	O.1.63
B7962	(I.X)	O.1.64
B7963	(I.X)	O.1.65
B7964	(I.X)	O.1.66
B7965	(I.X)	O.1.67
B7966	(I.X)	O.1.68

B	I	II
B7967	(I.X)	O.1.69
B7968	(I.X)	O.1.70
B7969	(I.X)	O.1.71
B7970	(I.X)	O.1.72
B7971	(I.X)	O.1.73
B7972	(I.X)	O.1.74
B7973	(I.X)	O.1.75
B7974	(I.X)	O.1.76
B7975	(I.X)	O.1.77
B7976	(I.X)	O.1.78
B7977	(I.X)	O.1.79
B7978	(I.X)	O.1.80
B7979	(I.X)	O.1.81
B7980	(I.X)	O.1.82
B7981	(I.X)	O.1.83
B7982	(I.X)	O.1.84
B7983	(I.X)	O.1.85
B7984	(I.X)	O.1.86
B7985	(I.X)	O.1.87
B7986	(I.X)	O.1.88
B7987	(I.X)	O.1.89
B7988	(I.X)	O.1.90
B7989	(I.X)	O.1.91
B7990	(I.X)	O.2.1
B7991	(I.X)	O.2.2
B7992	(I.X)	O.2.3
B7993	(I.X)	O.2.4
B7994	(I.X)	O.2.5
B7995	(I.X)	O.2.6
B7996	(I.X)	O.2.7
B7997	(I.X)	O.3.1
B7998	(I.X)	O.3.2
B7999	(I.X)	O.3.3
B8000	(I.X)	O.3.4
B8001	(I.X)	O.3.5

B	I	II
B8002	(I.X)	O.3.6
B8003	(I.X)	O.3.7
B8004	(I.X)	O.3.8
B8005	(I.X)	O.3.9
B8006	(I.X)	O.3.10
B8007	(I.X)	O.3.11
B8008	(I.X)	O.3.12
B8009	(I.X)	O.3.13
B8010	(I.X)	O.3.14
B8011	(I.X)	O.3.15
B8012	(I.X)	O.3.16
B8013	(I.X)	O.3.17
B8014	(I.X)	O.3.18
B8015	(I.X)	O.3.19
B8016	(I.X)	O.3.20
B8017	(I.X)	O.3.21
B8018	(I.X)	O.3.22
B8019	(I.X)	O.3.23
B8020	(I.X)	O.3.24
B8021	(I.X)	O.3.25
B8022	(I.X)	O.3.26
B8023	(I.X)	O.3.27
B8024	(I.X)	O.3.28
B8025	(I.X)	O.3.29
B8026	(I.X)	O.3.30
B8027	(I.X)	O.3.31
B8028	(I.X)	O.3.32
B8029	(I.X)	O.3.33
B8030	(I.X)	O.3.34
B8031	(I.X)	O.3.35
B8032	(I.X)	O.3.36
B8033	(I.X)	O.3.37
B8034	(I.X)	O.3.38
B8035	(I.X)	O.3.39
B8036	(I.X)	O.3.40

B	I	II
B8037	(I.X)	O.3.41
B8038	(I.X)	O.3.42
B8039	(I.X)	O.3.43
B8040	(I.X)	O.3.44
B8041	(I.X)	O.3.45
B8042	(I.X)	O.3.46
B8043	(I.X)	O.3.47
B8044	(I.X)	O.3.48
B8045	(I.X)	O.3.49
B8046	(I.X)	O.4.1
B8047	(I.X)	O.4.2
B8048	(I.X)	O.4.3
B8049	(I.X)	O.4.4
B8050	(I.X)	O.4.5
B8051	(I.X)	O.4.6
B8052	(I.X)	O.4.7
B8053	(I.X)	O.4.8
B8054	(I.X)	O.4.9
B8055	(I.X)	O.4.10
B8056	(I.X)	O.4.11
B8057	(I.X)	O.4.12
B8058	(I.X)	O.4.13
B8059	(I.X)	O.4.14
B8060	(I.X)	O.4.15
B8061	(I.X)	O.5.1
B8062	(I.X)	O.5.2
B8063	(I.X)	O.6.1
B8064	(I.X)	O.6.2
B8065	(I.X)	O.6.3
B8066	(I.X)	O.6.4
B8067	(I.X)	O.6.5
B8068	(I.X)	O.7.1
B8069	(I.X)	O.7.2
B8070	(I.X)	O.7.3
B8071	(I.X)	O.7.4

B	I	II
B8072	(I.X)	O.7.5
B8073	(I.X)	O.8.1
B8074	(I.X)	O.8.2
B8075	(I.X)	O.8.3
B8076	(I.X)	O.8.4
B8077	(I.X)	O.8.5
B8078	(I.X)	O.9.1
B8079	(I.X)	O.9.2
B8080	(I.X)	O.10.1
B8081	(I.X)	O.10.2
B8082	(I.X)	O.10.3
B8083	(I.X)	O.10.4
B8084	(I.X)	O.11
B8085	(I.X)	O.12.1
B8086	(I.X)	O.12.2
B8087	(I.X)	O.12.3
B8088	(I.X)	O.12.4
B8089	(I.X)	O.12.5
B8090	(I.X)	O.12.6
B8091	(I.X)	O.13.1
B8092	(I.X)	O.13.2
B8093	(I.X)	O.13.3
B8094	(I.X)	O.14.1
B8095	(I.X)	O.14.2
B8096	(I.X)	O.14.3
B8097	(I.X)	O.14.4
B8098	(I.X)	O.15.1
B8099	(I.X)	O.15.2
B8100	(I.X)	O.15.3
B8101	(I.X)	O.15.4
B8102	(I.X)	O.15.5
B8103	(I.X)	O.15.6
B8104	(I.X)	O.15.7
B8105	(I.X)	O.15.8
B8106	(I.X)	O.15.9

B	I	II
B8107	(I.X)	O.15.10
B8108	(I.X)	O.15.11
B8109	(I.X)	O.16.1
B8110	(I.X)	O.17.1
B8111	(I.X)	O.18.1
B8112	(I.X)	O.18.2
B8113	(I.X)	O.18.3
B8114	(I.X)	O.18.4
B8115	(I.X)	O.18.5
B8116	(I.X)	O.19.1
B8117	(I.X)	O.20.1
B8118	(I.X)	O.20.2
B8119	(I.X)	O.20.3
B8120	(I.X)	O.20.4
B8121	(I.X)	O.21.1
B8122	(I.X)	O.21.2
B8123	(I.X)	O.21.3
B8124	(I.X)	O.21.4
B8125	(I.X)	O.21.5
B8126	(I.X)	O.21.6
B8127	(I.X)	O.21.7
B8128	(I.X)	O.22.1
B8129	(I.X)	O.22.2
B8130	(I.X)	O.22.3
B8131	(I.X)	O.22.4
B8132	(I.X)	O.23.1
B8133	(I.X)	O.23.2
B8134	(I.X)	O.23.3
B8135	(I.X)	O.23.4
B8136	(I.X)	O.24.1
B8137	(I.X)	O.24.2
B8138	(I.X)	O.24.3
B8139	(I.X)	O.24.4
B8140	(I.X)	O.24.5
B8141	(I.X)	O.25.1

B	I	II
B8142	(I.X)	O.25.2
B8143	(I.X)	O.26.1
B8144	(I.X)	O.26.2
B8145	(I.X)	O.26.3
B8146	(I.X)	O.26.4
B8147	(I.X)	O.26.5
B8148	(I.X)	O.26.6
B8149	(I.X)	O.26.7
B8150	(I.X)	O.26.8
B8151	(I.X)	O.26.9
B8152	(I.X)	O.26.10
B8153	(I.X)	O.26.11
B8154	(I.X)	O.26.12
B8155	(I.X)	O.26.13
B8156	(I.X)	O.26.14
B8157	(I.X)	O.26.15
B8158	(I.X)	O.26.16
B8159	(I.X)	O.26.17
B8160	(I.X)	O.26.18
B8161	(I.X)	O.27.1
B8162	(I.X)	O.27.2
B8163	(I.X)	O.27.3
B8164	(I.X)	O.27.4
B8165	(I.X)	O.27.5
B8166	(I.X)	O.27.6
B8167	(I.X)	O.27.7
B8168	(I.X)	O.27.8
B8169	(I.X)	O.27.9
B8170	(I.X)	O.27.10
B8171	(I.X)	O.27.11
B8172	(I.X)	O.27.12
B8173	(I.X)	O.27.13
B8174	(I.X)	O.27.14
B8175	(I.X)	O.27.15
B8176	(I.X)	O.27.16

B	I	II
B8177	(I.X)	O.27.17
B8178	(I.X)	O.27.18
B8179	(I.X)	O.27.19
B8180	(I.X)	O.27.20
B8181	(I.X)	O.27.21
B8182	(I.X)	O.27.22
B8183	(I.X)	O.27.23
B8184	(I.X)	O.27.24
B8185	(I.X)	O.27.25
B8186	(I.X)	O.27.26
B8187	(I.X)	O.27.27
B8188	(I.X)	O.27.28
B8189	(I.X)	O.27.29
B8190	(I.X)	O.27.30
B8191	(I.X)	O.27.31
B8192	(I.X)	O.27.32
B8193	(I.X)	O.27.33
B8194	(I.X)	O.27.34
B8195	(I.X)	O.27.35
B8196	(I.X)	O.27.36
B8197	(I.X)	O.27.37
B8198	(I.X)	O.27.38
B8199	(I.X)	O.27.42
B8200	(I.X)	O.27.43
B8201	(I.X)	O.27.44
B8202	(I.X)	O.27.45
B8203	(I.X)	O.27.46
B8204	(I.X)	O.27.47
B8205	(I.X)	O.27.48
B8206	(I.X)	O.27.49
B8207	(I.X)	O.27.50
B8208	(I.X)	O.27.51
B8209	(I.X)	O.27.52
B8210	(I.X)	O.27.53
B8211	(I.X)	O.27.54

B	I	II
B8212	(I.X)	O.27.55
B8213	(I.X)	O.27.56
B8214	(I.X)	O.27.57
B8215	(I.X)	O.27.58
B8216	(I.X)	O.27.59
B8217	(I.X)	O.27.60
B8218	(I.X)	O.27.61
B8219	(I.X)	O.27.62
B8220	(I.X)	O.27.63
B8221	(I.X)	O.27.64
B8222	(I.X)	O.27.65
B8223	(I.X)	O.27.66
B8224	(I.X)	O.27.67
B8225	(I.X)	O.27.68
B8226	(I.X)	O.27.69
B8227	(I.X)	O.27.70
B8228	(I.X)	O.27.71
B8229	(I.X)	O.27.72
B8230	(I.X)	O.27.73
B8231	(I.X)	O.27.74
B8232	(I.X)	O.27.75
B8233	(I.X)	O.27.76
B8234	(I.X)	O.27.77
B8235	(I.X)	O.27.78
B8236	(I.X)	O.27.79
B8237	(I.X)	O.27.80
B8238	(I.X)	O.27.81
B8239	(I.X)	O.27.82
B8240	(I.X)	O.27.83
B8241	(I.X)	O.27.84
B8242	(I.X)	O.27.85
B8243	(I.X)	O.27.86
B8244	(I.X)	O.27.87
B8245	(I.X)	O.27.88
B8246	(I.X)	O.27.89

B	I	II
B8247	(I.X)	O.27.90
B8248	(I.X)	O.27.91
B8249	(I.X)	O.27.92
B8250	(I.X)	O.27.93

B	I	II
B8251	(I.X)	O.27.94
B8252	(I.X)	O.27.95
B8253	(I.X)	O.27.96
B8254	(I.X)	O.27.97

B	I	II
B8255	(I.X)	O.27.98
B8256	(I.X)	O.27.99
B8257	(I.X)	O.29.1

Table 24:

B = Mixture; I = compound I; II = compound II

B	I	II
B8258	(I.Y)	O.1.1
B8259	(I.Y)	O.1.2
B8260	(I.Y)	O.1.3
B8261	(I.Y)	O.1.4
B8262	(I.Y)	O.1.5
B8263	(I.Y)	O.1.6
B8264	(I.Y)	O.1.7
B8265	(I.Y)	O.1.8
B8266	(I.Y)	O.1.9
B8267	(I.Y)	O.1.10
B8268	(I.Y)	O.1.11
B8269	(I.Y)	O.1.12
B8270	(I.Y)	O.1.13
B8271	(I.Y)	O.1.14
B8272	(I.Y)	O.1.15
B8273	(I.Y)	O.1.16
B8274	(I.Y)	O.1.17
B8275	(I.Y)	O.1.18
B8276	(I.Y)	O.1.19
B8277	(I.Y)	O.1.20
B8278	(I.Y)	O.1.21
B8279	(I.Y)	O.1.22
B8280	(I.Y)	O.1.23
B8281	(I.Y)	O.1.24
B8282	(I.Y)	O.1.25
B8283	(I.Y)	O.1.26

B	I	II
B8284	(I.Y)	O.1.27
B8285	(I.Y)	O.1.28
B8286	(I.Y)	O.1.29
B8287	(I.Y)	O.1.30
B8288	(I.Y)	O.1.31
B8289	(I.Y)	O.1.32
B8290	(I.Y)	O.1.33
B8291	(I.Y)	O.1.34
B8292	(I.Y)	O.1.35
B8293	(I.Y)	O.1.36
B8294	(I.Y)	O.1.37
B8295	(I.Y)	O.1.38
B8296	(I.Y)	O.1.39
B8297	(I.Y)	O.1.40
B8298	(I.Y)	O.1.41
B8299	(I.Y)	O.1.42
B8300	(I.Y)	O.1.43
B8301	(I.Y)	O.1.44
B8302	(I.Y)	O.1.45
B8303	(I.Y)	O.1.46
B8304	(I.Y)	O.1.47
B8305	(I.Y)	O.1.48
B8306	(I.Y)	O.1.49
B8307	(I.Y)	O.1.50
B8308	(I.Y)	O.1.51
B8309	(I.Y)	O.1.52

B	I	II
B8310	(I.Y)	O.1.53
B8311	(I.Y)	O.1.54
B8312	(I.Y)	O.1.55
B8313	(I.Y)	O.1.56
B8314	(I.Y)	O.1.57
B8315	(I.Y)	O.1.58
B8316	(I.Y)	O.1.59
B8317	(I.Y)	O.1.60
B8318	(I.Y)	O.1.61
B8319	(I.Y)	O.1.62
B8320	(I.Y)	O.1.63
B8321	(I.Y)	O.1.64
B8322	(I.Y)	O.1.65
B8323	(I.Y)	O.1.66
B8324	(I.Y)	O.1.67
B8325	(I.Y)	O.1.68
B8326	(I.Y)	O.1.69
B8327	(I.Y)	O.1.70
B8328	(I.Y)	O.1.71
B8329	(I.Y)	O.1.72
B8330	(I.Y)	O.1.73
B8331	(I.Y)	O.1.74
B8332	(I.Y)	O.1.75
B8333	(I.Y)	O.1.76
B8334	(I.Y)	O.1.77
B8335	(I.Y)	O.1.78

B	I	II
B8336	(I.Y)	O.1.79
B8337	(I.Y)	O.1.80
B8338	(I.Y)	O.1.81
B8339	(I.Y)	O.1.82
B8340	(I.Y)	O.1.83
B8341	(I.Y)	O.1.84
B8342	(I.Y)	O.1.85
B8343	(I.Y)	O.1.86
B8344	(I.Y)	O.1.87
B8345	(I.Y)	O.1.88
B8346	(I.Y)	O.1.89
B8347	(I.Y)	O.1.90
B8348	(I.Y)	O.1.91
B8349	(I.Y)	O.2.1
B8350	(I.Y)	O.2.2
B8351	(I.Y)	O.2.3
B8352	(I.Y)	O.2.4
B8353	(I.Y)	O.2.5
B8354	(I.Y)	O.2.6
B8355	(I.Y)	O.2.7
B8356	(I.Y)	O.3.1
B8357	(I.Y)	O.3.2
B8358	(I.Y)	O.3.3
B8359	(I.Y)	O.3.4
B8360	(I.Y)	O.3.5
B8361	(I.Y)	O.3.6
B8362	(I.Y)	O.3.7
B8363	(I.Y)	O.3.8
B8364	(I.Y)	O.3.9
B8365	(I.Y)	O.3.10
B8366	(I.Y)	O.3.11
B8367	(I.Y)	O.3.12
B8368	(I.Y)	O.3.13
B8369	(I.Y)	O.3.14
B8370	(I.Y)	O.3.15

B	I	II
B8371	(I.Y)	O.3.16
B8372	(I.Y)	O.3.17
B8373	(I.Y)	O.3.18
B8374	(I.Y)	O.3.19
B8375	(I.Y)	O.3.20
B8376	(I.Y)	O.3.21
B8377	(I.Y)	O.3.22
B8378	(I.Y)	O.3.23
B8379	(I.Y)	O.3.24
B8380	(I.Y)	O.3.25
B8381	(I.Y)	O.3.26
B8382	(I.Y)	O.3.27
B8383	(I.Y)	O.3.28
B8384	(I.Y)	O.3.29
B8385	(I.Y)	O.3.30
B8386	(I.Y)	O.3.31
B8387	(I.Y)	O.3.32
B8388	(I.Y)	O.3.33
B8389	(I.Y)	O.3.34
B8390	(I.Y)	O.3.35
B8391	(I.Y)	O.3.36
B8392	(I.Y)	O.3.37
B8393	(I.Y)	O.3.38
B8394	(I.Y)	O.3.39
B8395	(I.Y)	O.3.40
B8396	(I.Y)	O.3.41
B8397	(I.Y)	O.3.42
B8398	(I.Y)	O.3.43
B8399	(I.Y)	O.3.44
B8400	(I.Y)	O.3.45
B8401	(I.Y)	O.3.46
B8402	(I.Y)	O.3.47
B8403	(I.Y)	O.3.48
B8404	(I.Y)	O.3.49
B8405	(I.Y)	O.4.1

B	I	II
B8406	(I.Y)	O.4.2
B8407	(I.Y)	O.4.3
B8408	(I.Y)	O.4.4
B8409	(I.Y)	O.4.5
B8410	(I.Y)	O.4.6
B8411	(I.Y)	O.4.7
B8412	(I.Y)	O.4.8
B8413	(I.Y)	O.4.9
B8414	(I.Y)	O.4.10
B8415	(I.Y)	O.4.11
B8416	(I.Y)	O.4.12
B8417	(I.Y)	O.4.13
B8418	(I.Y)	O.4.14
B8419	(I.Y)	O.4.15
B8420	(I.Y)	O.5.1
B8421	(I.Y)	O.5.2
B8422	(I.Y)	O.6.1
B8423	(I.Y)	O.6.2
B8424	(I.Y)	O.6.3
B8425	(I.Y)	O.6.4
B8426	(I.Y)	O.6.5
B8427	(I.Y)	O.7.1
B8428	(I.Y)	O.7.2
B8429	(I.Y)	O.7.3
B8430	(I.Y)	O.7.4
B8431	(I.Y)	O.7.5
B8432	(I.Y)	O.8.1
B8433	(I.Y)	O.8.2
B8434	(I.Y)	O.8.3
B8435	(I.Y)	O.8.4
B8436	(I.Y)	O.8.5
B8437	(I.Y)	O.9.1
B8438	(I.Y)	O.9.2
B8439	(I.Y)	O.10.1
B8440	(I.Y)	O.10.2

B	I	II
B8441	(I.Y)	O.10.3
B8442	(I.Y)	O.10.4
B8443	(I.Y)	O.11
B8444	(I.Y)	O.12.1
B8445	(I.Y)	O.12.2
B8446	(I.Y)	O.12.3
B8447	(I.Y)	O.12.4
B8448	(I.Y)	O.12.5
B8449	(I.Y)	O.12.6
B8450	(I.Y)	O.13.1
B8451	(I.Y)	O.13.2
B8452	(I.Y)	O.13.3
B8453	(I.Y)	O.14.1
B8454	(I.Y)	O.14.2
B8455	(I.Y)	O.14.3
B8456	(I.Y)	O.14.4
B8457	(I.Y)	O.15.1
B8458	(I.Y)	O.15.2
B8459	(I.Y)	O.15.3
B8460	(I.Y)	O.15.4
B8461	(I.Y)	O.15.5
B8462	(I.Y)	O.15.6
B8463	(I.Y)	O.15.7
B8464	(I.Y)	O.15.8
B8465	(I.Y)	O.15.9
B8466	(I.Y)	O.15.10
B8467	(I.Y)	O.15.11
B8468	(I.Y)	O.16.1
B8469	(I.Y)	O.17.1
B8470	(I.Y)	O.18.1
B8471	(I.Y)	O.18.2
B8472	(I.Y)	O.18.3
B8473	(I.Y)	O.18.4
B8474	(I.Y)	O.18.5
B8475	(I.Y)	O.19.1

B	I	II
B8476	(I.Y)	O.20.1
B8477	(I.Y)	O.20.2
B8478	(I.Y)	O.20.3
B8479	(I.Y)	O.20.4
B8480	(I.Y)	O.21.1
B8481	(I.Y)	O.21.2
B8482	(I.Y)	O.21.3
B8483	(I.Y)	O.21.4
B8484	(I.Y)	O.21.5
B8485	(I.Y)	O.21.6
B8486	(I.Y)	O.21.7
B8487	(I.Y)	O.22.1
B8488	(I.Y)	O.22.2
B8489	(I.Y)	O.22.3
B8490	(I.Y)	O.22.4
B8491	(I.Y)	O.23.1
B8492	(I.Y)	O.23.2
B8493	(I.Y)	O.23.3
B8494	(I.Y)	O.23.4
B8495	(I.Y)	O.24.1
B8496	(I.Y)	O.24.2
B8497	(I.Y)	O.24.3
B8498	(I.Y)	O.24.4
B8499	(I.Y)	O.24.5
B8500	(I.Y)	O.25.1
B8501	(I.Y)	O.25.2
B8502	(I.Y)	O.26.1
B8503	(I.Y)	O.26.2
B8504	(I.Y)	O.26.3
B8505	(I.Y)	O.26.4
B8506	(I.Y)	O.26.5
B8507	(I.Y)	O.26.6
B8508	(I.Y)	O.26.7
B8509	(I.Y)	O.26.8
B8510	(I.Y)	O.26.9

B	I	II
B8511	(I.Y)	O.26.10
B8512	(I.Y)	O.26.11
B8513	(I.Y)	O.26.12
B8514	(I.Y)	O.26.13
B8515	(I.Y)	O.26.14
B8516	(I.Y)	O.26.15
B8517	(I.Y)	O.26.16
B8518	(I.Y)	O.26.17
B8519	(I.Y)	O.26.18
B8520	(I.Y)	O.27.1
B8521	(I.Y)	O.27.2
B8522	(I.Y)	O.27.3
B8523	(I.Y)	O.27.4
B8524	(I.Y)	O.27.5
B8525	(I.Y)	O.27.6
B8526	(I.Y)	O.27.7
B8527	(I.Y)	O.27.8
B8528	(I.Y)	O.27.9
B8529	(I.Y)	O.27.10
B8530	(I.Y)	O.27.11
B8531	(I.Y)	O.27.12
B8532	(I.Y)	O.27.13
B8533	(I.Y)	O.27.14
B8534	(I.Y)	O.27.15
B8535	(I.Y)	O.27.16
B8536	(I.Y)	O.27.17
B8537	(I.Y)	O.27.18
B8538	(I.Y)	O.27.19
B8539	(I.Y)	O.27.20
B8540	(I.Y)	O.27.21
B8541	(I.Y)	O.27.22
B8542	(I.Y)	O.27.23
B8543	(I.Y)	O.27.24
B8544	(I.Y)	O.27.25
B8545	(I.Y)	O.27.26

B	I	II
B8546	(I.Y)	O.27.27
B8547	(I.Y)	O.27.28
B8548	(I.Y)	O.27.29
B8549	(I.Y)	O.27.30
B8550	(I.Y)	O.27.31
B8551	(I.Y)	O.27.32
B8552	(I.Y)	O.27.33
B8553	(I.Y)	O.27.34
B8554	(I.Y)	O.27.35
B8555	(I.Y)	O.27.36
B8556	(I.Y)	O.27.37
B8557	(I.Y)	O.27.38
B8558	(I.Y)	O.27.42
B8559	(I.Y)	O.27.43
B8560	(I.Y)	O.27.44
B8561	(I.Y)	O.27.45
B8562	(I.Y)	O.27.46
B8563	(I.Y)	O.27.47
B8564	(I.Y)	O.27.48
B8565	(I.Y)	O.27.49
B8566	(I.Y)	O.27.50
B8567	(I.Y)	O.27.51
B8568	(I.Y)	O.27.52
B8569	(I.Y)	O.27.53

B	I	II
B8570	(I.Y)	O.27.54
B8571	(I.Y)	O.27.55
B8572	(I.Y)	O.27.56
B8573	(I.Y)	O.27.57
B8574	(I.Y)	O.27.58
B8575	(I.Y)	O.27.59
B8576	(I.Y)	O.27.60
B8577	(I.Y)	O.27.61
B8578	(I.Y)	O.27.62
B8579	(I.Y)	O.27.63
B8580	(I.Y)	O.27.64
B8581	(I.Y)	O.27.65
B8582	(I.Y)	O.27.66
B8583	(I.Y)	O.27.67
B8584	(I.Y)	O.27.68
B8585	(I.Y)	O.27.69
B8586	(I.Y)	O.27.70
B8587	(I.Y)	O.27.71
B8588	(I.Y)	O.27.72
B8589	(I.Y)	O.27.73
B8590	(I.Y)	O.27.74
B8591	(I.Y)	O.27.75
B8592	(I.Y)	O.27.76
B8593	(I.Y)	O.27.77

B	I	II
B8594	(I.Y)	O.27.78
B8595	(I.Y)	O.27.79
B8596	(I.Y)	O.27.80
B8597	(I.Y)	O.27.81
B8598	(I.Y)	O.27.82
B8599	(I.Y)	O.27.83
B8600	(I.Y)	O.27.84
B8601	(I.Y)	O.27.85
B8602	(I.Y)	O.27.86
B8603	(I.Y)	O.27.87
B8604	(I.Y)	O.27.88
B8605	(I.Y)	O.27.89
B8606	(I.Y)	O.27.90
B8607	(I.Y)	O.27.91
B8608	(I.Y)	O.27.92
B8609	(I.Y)	O.27.93
B8610	(I.Y)	O.27.94
B8611	(I.Y)	O.27.95
B8612	(I.Y)	O.27.96
B8613	(I.Y)	O.27.97
B8614	(I.Y)	O.27.98
B8615	(I.Y)	O.27.99
B8616	(I.Y)	O.29.1

Table 25:

B = Mixture; I = compound I; II = compound II

B	I	II
B8617	(I.Z)	O.1.1
B8618	(I.Z)	O.1.2
B8619	(I.Z)	O.1.3
B8620	(I.Z)	O.1.4
B8621	(I.Z)	O.1.5
B8622	(I.Z)	O.1.6

B	I	II
B8623	(I.Z)	O.1.7
B8624	(I.Z)	O.1.8
B8625	(I.Z)	O.1.9
B8626	(I.Z)	O.1.10
B8627	(I.Z)	O.1.11
B8628	(I.Z)	O.1.12

B	I	II
B8629	(I.Z)	O.1.13
B8630	(I.Z)	O.1.14
B8631	(I.Z)	O.1.15
B8632	(I.Z)	O.1.16
B8633	(I.Z)	O.1.17
B8634	(I.Z)	O.1.18

B	I	II
B8635	(I.Z)	O.1.19
B8636	(I.Z)	O.1.20
B8637	(I.Z)	O.1.21
B8638	(I.Z)	O.1.22
B8639	(I.Z)	O.1.23
B8640	(I.Z)	O.1.24
B8641	(I.Z)	O.1.25
B8642	(I.Z)	O.1.26
B8643	(I.Z)	O.1.27
B8644	(I.Z)	O.1.28
B8645	(I.Z)	O.1.29
B8646	(I.Z)	O.1.30
B8647	(I.Z)	O.1.31
B8648	(I.Z)	O.1.32
B8649	(I.Z)	O.1.33
B8650	(I.Z)	O.1.34
B8651	(I.Z)	O.1.35
B8652	(I.Z)	O.1.36
B8653	(I.Z)	O.1.37
B8654	(I.Z)	O.1.38
B8655	(I.Z)	O.1.39
B8656	(I.Z)	O.1.40
B8657	(I.Z)	O.1.41
B8658	(I.Z)	O.1.42
B8659	(I.Z)	O.1.43
B8660	(I.Z)	O.1.44
B8661	(I.Z)	O.1.45
B8662	(I.Z)	O.1.46
B8663	(I.Z)	O.1.47
B8664	(I.Z)	O.1.48
B8665	(I.Z)	O.1.49
B8666	(I.Z)	O.1.50
B8667	(I.Z)	O.1.51
B8668	(I.Z)	O.1.52
B8669	(I.Z)	O.1.53

B	I	II
B8670	(I.Z)	O.1.54
B8671	(I.Z)	O.1.55
B8672	(I.Z)	O.1.56
B8673	(I.Z)	O.1.57
B8674	(I.Z)	O.1.58
B8675	(I.Z)	O.1.59
B8676	(I.Z)	O.1.60
B8677	(I.Z)	O.1.61
B8678	(I.Z)	O.1.62
B8679	(I.Z)	O.1.63
B8680	(I.Z)	O.1.64
B8681	(I.Z)	O.1.65
B8682	(I.Z)	O.1.66
B8683	(I.Z)	O.1.67
B8684	(I.Z)	O.1.68
B8685	(I.Z)	O.1.69
B8686	(I.Z)	O.1.70
B8687	(I.Z)	O.1.71
B8688	(I.Z)	O.1.72
B8689	(I.Z)	O.1.73
B8690	(I.Z)	O.1.74
B8691	(I.Z)	O.1.75
B8692	(I.Z)	O.1.76
B8693	(I.Z)	O.1.77
B8694	(I.Z)	O.1.78
B8695	(I.Z)	O.1.79
B8696	(I.Z)	O.1.80
B8697	(I.Z)	O.1.81
B8698	(I.Z)	O.1.82
B8699	(I.Z)	O.1.83
B8700	(I.Z)	O.1.84
B8701	(I.Z)	O.1.85
B8702	(I.Z)	O.1.86
B8703	(I.Z)	O.1.87
B8704	(I.Z)	O.1.88

B	I	II
B8705	(I.Z)	O.1.89
B8706	(I.Z)	O.1.90
B8707	(I.Z)	O.1.91
B8708	(I.Z)	O.2.1
B8709	(I.Z)	O.2.2
B8710	(I.Z)	O.2.3
B8711	(I.Z)	O.2.4
B8712	(I.Z)	O.2.5
B8713	(I.Z)	O.2.6
B8714	(I.Z)	O.2.7
B8715	(I.Z)	O.3.1
B8716	(I.Z)	O.3.2
B8717	(I.Z)	O.3.3
B8718	(I.Z)	O.3.4
B8719	(I.Z)	O.3.5
B8720	(I.Z)	O.3.6
B8721	(I.Z)	O.3.7
B8722	(I.Z)	O.3.8
B8723	(I.Z)	O.3.9
B8724	(I.Z)	O.3.10
B8725	(I.Z)	O.3.11
B8726	(I.Z)	O.3.12
B8727	(I.Z)	O.3.13
B8728	(I.Z)	O.3.14
B8729	(I.Z)	O.3.15
B8730	(I.Z)	O.3.16
B8731	(I.Z)	O.3.17
B8732	(I.Z)	O.3.18
B8733	(I.Z)	O.3.19
B8734	(I.Z)	O.3.20
B8735	(I.Z)	O.3.21
B8736	(I.Z)	O.3.22
B8737	(I.Z)	O.3.23
B8738	(I.Z)	O.3.24
B8739	(I.Z)	O.3.25

B	I	II
B8740	(I.Z)	O.3.26
B8741	(I.Z)	O.3.27
B8742	(I.Z)	O.3.28
B8743	(I.Z)	O.3.29
B8744	(I.Z)	O.3.30
B8745	(I.Z)	O.3.31
B8746	(I.Z)	O.3.32
B8747	(I.Z)	O.3.33
B8748	(I.Z)	O.3.34
B8749	(I.Z)	O.3.35
B8750	(I.Z)	O.3.36
B8751	(I.Z)	O.3.37
B8752	(I.Z)	O.3.38
B8753	(I.Z)	O.3.39
B8754	(I.Z)	O.3.40
B8755	(I.Z)	O.3.41
B8756	(I.Z)	O.3.42
B8757	(I.Z)	O.3.43
B8758	(I.Z)	O.3.44
B8759	(I.Z)	O.3.45
B8760	(I.Z)	O.3.46
B8761	(I.Z)	O.3.47
B8762	(I.Z)	O.3.48
B8763	(I.Z)	O.3.49
B8764	(I.Z)	O.4.1
B8765	(I.Z)	O.4.2
B8766	(I.Z)	O.4.3
B8767	(I.Z)	O.4.4
B8768	(I.Z)	O.4.5
B8769	(I.Z)	O.4.6
B8770	(I.Z)	O.4.7
B8771	(I.Z)	O.4.8
B8772	(I.Z)	O.4.9
B8773	(I.Z)	O.4.10
B8774	(I.Z)	O.4.11

B	I	II
B8775	(I.Z)	O.4.12
B8776	(I.Z)	O.4.13
B8777	(I.Z)	O.4.14
B8778	(I.Z)	O.4.15
B8779	(I.Z)	O.5.1
B8780	(I.Z)	O.5.2
B8781	(I.Z)	O.6.1
B8782	(I.Z)	O.6.2
B8783	(I.Z)	O.6.3
B8784	(I.Z)	O.6.4
B8785	(I.Z)	O.6.5
B8786	(I.Z)	O.7.1
B8787	(I.Z)	O.7.2
B8788	(I.Z)	O.7.3
B8789	(I.Z)	O.7.4
B8790	(I.Z)	O.7.5
B8791	(I.Z)	O.8.1
B8792	(I.Z)	O.8.2
B8793	(I.Z)	O.8.3
B8794	(I.Z)	O.8.4
B8795	(I.Z)	O.8.5
B8796	(I.Z)	O.9.1
B8797	(I.Z)	O.9.2
B8798	(I.Z)	O.10.1
B8799	(I.Z)	O.10.2
B8800	(I.Z)	O.10.3
B8801	(I.Z)	O.10.4
B8802	(I.Z)	O.11
B8803	(I.Z)	O.12.1
B8804	(I.Z)	O.12.2
B8805	(I.Z)	O.12.3
B8806	(I.Z)	O.12.4
B8807	(I.Z)	O.12.5
B8808	(I.Z)	O.12.6
B8809	(I.Z)	O.13.1

B	I	II
B8810	(I.Z)	O.13.2
B8811	(I.Z)	O.13.3
B8812	(I.Z)	O.14.1
B8813	(I.Z)	O.14.2
B8814	(I.Z)	O.14.3
B8815	(I.Z)	O.14.4
B8816	(I.Z)	O.15.1
B8817	(I.Z)	O.15.2
B8818	(I.Z)	O.15.3
B8819	(I.Z)	O.15.4
B8820	(I.Z)	O.15.5
B8821	(I.Z)	O.15.6
B8822	(I.Z)	O.15.7
B8823	(I.Z)	O.15.8
B8824	(I.Z)	O.15.9
B8825	(I.Z)	O.15.10
B8826	(I.Z)	O.15.11
B8827	(I.Z)	O.16.1
B8828	(I.Z)	O.17.1
B8829	(I.Z)	O.18.1
B8830	(I.Z)	O.18.2
B8831	(I.Z)	O.18.3
B8832	(I.Z)	O.18.4
B8833	(I.Z)	O.18.5
B8834	(I.Z)	O.19.1
B8835	(I.Z)	O.20.1
B8836	(I.Z)	O.20.2
B8837	(I.Z)	O.20.3
B8838	(I.Z)	O.20.4
B8839	(I.Z)	O.21.1
B8840	(I.Z)	O.21.2
B8841	(I.Z)	O.21.3
B8842	(I.Z)	O.21.4
B8843	(I.Z)	O.21.5
B8844	(I.Z)	O.21.6

B	I	II
B8845	(I.Z)	O.21.7
B8846	(I.Z)	O.22.1
B8847	(I.Z)	O.22.2
B8848	(I.Z)	O.22.3
B8849	(I.Z)	O.22.4
B8850	(I.Z)	O.23.1
B8851	(I.Z)	O.23.2
B8852	(I.Z)	O.23.3
B8853	(I.Z)	O.23.4
B8854	(I.Z)	O.24.1
B8855	(I.Z)	O.24.2
B8856	(I.Z)	O.24.3
B8857	(I.Z)	O.24.4
B8858	(I.Z)	O.24.5
B8859	(I.Z)	O.25.1
B8860	(I.Z)	O.25.2
B8861	(I.Z)	O.26.1
B8862	(I.Z)	O.26.2
B8863	(I.Z)	O.26.3
B8864	(I.Z)	O.26.4
B8865	(I.Z)	O.26.5
B8866	(I.Z)	O.26.6
B8867	(I.Z)	O.26.7
B8868	(I.Z)	O.26.8
B8869	(I.Z)	O.26.9
B8870	(I.Z)	O.26.10
B8871	(I.Z)	O.26.11
B8872	(I.Z)	O.26.12
B8873	(I.Z)	O.26.13
B8874	(I.Z)	O.26.14
B8875	(I.Z)	O.26.15
B8876	(I.Z)	O.26.16
B8877	(I.Z)	O.26.17
B8878	(I.Z)	O.26.18
B8879	(I.Z)	O.27.1

B	I	II
B8880	(I.Z)	O.27.2
B8881	(I.Z)	O.27.3
B8882	(I.Z)	O.27.4
B8883	(I.Z)	O.27.5
B8884	(I.Z)	O.27.6
B8885	(I.Z)	O.27.7
B8886	(I.Z)	O.27.8
B8887	(I.Z)	O.27.9
B8888	(I.Z)	O.27.10
B8889	(I.Z)	O.27.11
B8890	(I.Z)	O.27.12
B8891	(I.Z)	O.27.13
B8892	(I.Z)	O.27.14
B8893	(I.Z)	O.27.15
B8894	(I.Z)	O.27.16
B8895	(I.Z)	O.27.17
B8896	(I.Z)	O.27.18
B8897	(I.Z)	O.27.19
B8898	(I.Z)	O.27.20
B8899	(I.Z)	O.27.21
B8900	(I.Z)	O.27.22
B8901	(I.Z)	O.27.23
B8902	(I.Z)	O.27.24
B8903	(I.Z)	O.27.25
B8904	(I.Z)	O.27.26
B8905	(I.Z)	O.27.27
B8906	(I.Z)	O.27.28
B8907	(I.Z)	O.27.29
B8908	(I.Z)	O.27.30
B8909	(I.Z)	O.27.31
B8910	(I.Z)	O.27.32
B8911	(I.Z)	O.27.33
B8912	(I.Z)	O.27.34
B8913	(I.Z)	O.27.35
B8914	(I.Z)	O.27.36

B	I	II
B8915	(I.Z)	O.27.37
B8916	(I.Z)	O.27.38
B8917	(I.Z)	O.27.42
B8918	(I.Z)	O.27.43
B8919	(I.Z)	O.27.44
B8920	(I.Z)	O.27.45
B8921	(I.Z)	O.27.46
B8922	(I.Z)	O.27.47
B8923	(I.Z)	O.27.48
B8924	(I.Z)	O.27.49
B8925	(I.Z)	O.27.50
B8926	(I.Z)	O.27.51
B8927	(I.Z)	O.27.52
B8928	(I.Z)	O.27.53
B8929	(I.Z)	O.27.54
B8930	(I.Z)	O.27.55
B8931	(I.Z)	O.27.56
B8932	(I.Z)	O.27.57
B8933	(I.Z)	O.27.58
B8934	(I.Z)	O.27.59
B8935	(I.Z)	O.27.60
B8936	(I.Z)	O.27.61
B8937	(I.Z)	O.27.62
B8938	(I.Z)	O.27.63
B8939	(I.Z)	O.27.64
B8940	(I.Z)	O.27.65
B8941	(I.Z)	O.27.66
B8942	(I.Z)	O.27.67
B8943	(I.Z)	O.27.68
B8944	(I.Z)	O.27.69
B8945	(I.Z)	O.27.70
B8946	(I.Z)	O.27.71
B8947	(I.Z)	O.27.72
B8948	(I.Z)	O.27.73
B8949	(I.Z)	O.27.74

B	I	II
B8950	(I.Z)	O.27.75
B8951	(I.Z)	O.27.76
B8952	(I.Z)	O.27.77
B8953	(I.Z)	O.27.78
B8954	(I.Z)	O.27.79
B8955	(I.Z)	O.27.80
B8956	(I.Z)	O.27.81
B8957	(I.Z)	O.27.82
B8958	(I.Z)	O.27.83

B	I	II
B8959	(I.Z)	O.27.84
B8960	(I.Z)	O.27.85
B8961	(I.Z)	O.27.86
B8962	(I.Z)	O.27.87
B8963	(I.Z)	O.27.88
B8964	(I.Z)	O.27.89
B8965	(I.Z)	O.27.90
B8966	(I.Z)	O.27.91
B8967	(I.Z)	O.27.92

B	I	II
B8968	(I.Z)	O.27.93
B8969	(I.Z)	O.27.94
B8970	(I.Z)	O.27.95
B8971	(I.Z)	O.27.96
B8972	(I.Z)	O.27.97
B8973	(I.Z)	O.27.98
B8974	(I.Z)	O.27.99
B8975	(I.Z)	O.29.1

Table 26: The binary mixtures B8976 to B9334 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AA.

5 Table 27: The binary mixtures B9335 to B9693 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AB.

Table 28: The binary mixtures B9694 to B10052 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AC.

Table 29: The binary mixtures B10053 to B10411 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AD.

10 Table 30: The binary mixtures B10412 to B10770 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AE.

Table 31: The binary mixtures B10771 to B11129 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AF.

15 Table 32: The binary mixtures B11130 to B11488 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AG.

Table 33: The binary mixtures B11489 to B11847 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AH.

Table 34: The binary mixtures B11848 to B12206 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AI.

20 Table 35: The binary mixtures B12207 to B12565 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AJ.

Table 36: The binary mixtures B12566 to B12924 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AK.

25 Table 37: The binary mixtures B12925 to B13283 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AL.

Table 38: The binary mixtures B13284 to B13624 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AM.

Table 39: The binary mixtures B13643 to B14001 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AN.

5 Table 40: The binary mixtures B14002 to B14360 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AO.

Table 41: The binary mixtures B14361 to B14719 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AP.

10 Table 42: The binary mixtures B14720 to B15078 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AQ.

Table 43: The binary mixtures B15079 to B15437 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AR.

Table 44: The binary mixtures B15438 to B15796 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AS.

15 Table 45: The binary mixtures B15797 to B16155 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AT.

Table 46: The binary mixtures B16156 to B16514 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AU.

20 Table 47: The binary mixtures B16515 to B16873 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AV.

Table 48: The binary mixtures B16874 to B17232 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AW.

Table 49: The binary mixtures B17233 to B17591 correspond to the mixtures B1 to B347, wherein compound I.A is replaced by compound I.AX.

25 The compounds II (insecticides) may also have fungicidal, herbicidal, insecticidal, acaricidal, molluscicidal, pheromone, nematocidal, plant stress reducing, plant growth regulator, plant growth promoting and/or yield enhancing activity.

30 The present invention furthermore relates to agrochemical compositions comprising a mixture of at least one compound I and at least one compound II (insecticide) as described above, and if desired at least one suitable auxiliary.

The mixtures and compositions according to the invention can also be present together with further pesticides, e.g. with herbicides, insecticides, growth regulators, fungicides; or else with fertilizers, as pre-mix or, if appropriate, not until immediately prior to use (tank mix).

35 In one embodiment, the mixture according to the invention comprises as active components one active compound I (nitrification inhibitor), or an agriculturally useful salt thereof, and one active

compound II and one active compound III selected from group of herbicides, fungicides, growth regulators, biopesticides, urease inhibitors, nitrification inhibitors, and denitrification inhibitors.

Mixing a composition comprising at least one compound I and at least one compound II with further insecticides results in many cases in an improvement of the nitrification inhibition effect and/or an improvement of the health of a plant and/or an improvement of the plant growth regulation. Furthermore, in many cases, synergistic effects are obtained.

Mixing a composition comprising at least one compound I and at least one compound II with further insecticides results in many cases in an expansion of the insecticidal spectrum of activity or in a prevention of insecticide resistance development. Furthermore, in many cases, synergistic effects are obtained.

Mixing a composition comprising at least one compound I and at least one compound II with further insecticides results in many cases in an expansion of the insecticidal spectrum of activity or in a prevention of insecticide resistance development. Furthermore, in many cases, synergistic effects are obtained.

The mixtures and compositions according to the invention are suitable as nitrification inhibitors, improvers for the plant yield, or improvers for the plant health.

The term "plant propagation material" is to be understood to denote all the generative parts of the plant such as seeds and vegetative plant material such as cuttings and tubers (e.g. potatoes), which can be used for the multiplication of the plant. This includes seeds, roots, fruits, tubers, bulbs, rhizomes, shoots, sprouts and other parts of plants, including seedlings and young plants, which are to be transplanted after germination or after emergence from soil. These young plants may also be protected before transplantation by a total or partial treatment by immersion or pouring.

Preferably, treatment of plant propagation materials with the inventive mixtures and compositions thereof, respectively, is used for controlling a multitude of fungi on cereals, such as wheat, rye, barley and oats; rice, corn, cotton and soybeans.

The term "cultivated plants" is to be understood as including plants which have been modified by breeding, mutagenesis or genetic engineering including but not limiting to agricultural biotech products on the market or in development (cf. <http://cera-gmc.org/>, see GM crop database therein). Genetically modified plants are plants, which genetic material has been so modified by the use of recombinant DNA techniques that under natural circumstances cannot readily be obtained by cross breeding, mutations or natural recombination. Typically, one or more genes have been integrated into the genetic material of a genetically modified plant in order to improve certain properties of the plant. Such genetic modifications also include but are not limited to targeted post-translational modification of protein(s), oligo- or polypeptides e.g. by glycosylation or polymer additions such as prenylated, acetylated or farnesylated moieties or PEG moieties.

Plants that have been modified by breeding, mutagenesis or genetic engineering, e.g. have been rendered tolerant to applications of specific classes of herbicides, such as hydroxyphenylpyruvate dioxygenase (HPPD) inhibitors; acetolactate synthase (ALS) inhibitors, such as sulfonyl ureas (see e.g. US 6,222,100, WO 01/82685, WO 00/26390, WO 97/41218,

WO 98/02526, WO 98/02527, WO 04/106529, WO 05/20673, WO 03/14357, WO 03/13225, WO 03/14356, WO 04/16073) or imidazolinones (see e.g. US 6,222,100, WO 01/82685, WO 00/026390, WO 97/41218, WO 98/002526, WO 98/02527, WO 04/106529, WO 05/20673, WO 03/014357, WO 03/13225, WO 03/14356, WO 04/16073); enolpyruvylshikimate-3-phosphate synthase (EPSPS) inhibitors, such as glyphosate (see e.g. WO 92/00377); glutamine synthetase (GS) inhibitors, such as glufosinate (see e.g. EP-A 242 236, EP-A 242 246) or oxynil herbicides (see e.g. US 5,559,024) as a result of conventional methods of breeding or genetic engineering. Several cultivated plants have been rendered tolerant to herbicides by conventional methods of breeding (mutagenesis), e.g. Clearfield® summer rape (Canola, BASF SE, Germany) being tolerant to imidazolinones, e.g. imazamox. Genetic engineering methods have been used to render cultivated plants such as soybean, cotton, corn, beets and rape, tolerant to herbicides such as glyphosate and glufosinate, some of which are commercially available under the trade names RoundupReady® (glyphosate-tolerant, Monsanto, U.S.A.) and LibertyLink® (glufosinate-tolerant, Bayer CropScience, Germany).

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more insecticidal proteins, especially those known from the bacterial genus *Bacillus*, particularly from *Bacillus thuringiensis*, such as δ -endotoxins, e.g. CryIA(b), CryIA(c), CryIF, CryIF(a2), CryIIA(b), CryIIIA, CryIIIB(b1) or Cry9c; vegetative insecticidal proteins (VIP), e.g. VIP1, VIP2, VIP3 or VIP3A; insecticidal proteins of bacteria colonizing nematodes, e.g. *Photorhabdus* spp. or *Xenorhabdus* spp.; toxins produced by animals, such as scorpion toxins, arachnid toxins, wasp toxins, or other insect-specific neurotoxins; toxins produced by fungi, such Streptomyces toxins, plant lectins, such as pea or barley lectins; agglutinins; proteinase inhibitors, such as trypsin inhibitors, serine protease inhibitors, patatin, cystatin or papain inhibitors; ribosome-inactivating proteins (RIP), such as ricin, maize-RIP, abrin, luffin, saporin or bryodin; steroid metabolism enzymes, such as 3-hydroxysteroid oxidase, ecdysteroid-IDP-glycosyl-transferase, cholesterol oxidases, ecdysone inhibitors or HMG-CoA-reductase; ion channel blockers, such as blockers of sodium or calcium channels; juvenile hormone esterase; diuretic hormone receptors (helicokinin receptors); stilben synthase, bibenzyl synthase, chitinases or glucanases. In the context of the present invention these insecticidal proteins or toxins are to be understood expressly also as pre-toxins, hybrid proteins, truncated or otherwise modified proteins. Hybrid proteins are characterized by a new combination of protein domains, (see, e.g. WO02/015701). Further examples of such toxins or genetically modified plants capable of synthesizing such toxins are disclosed, e.g., in EP-A374753, WO93/007278, WO95/34656, EP-A427529, EP-A451 878, WO03/18810 und WO03/52073. The methods for producing such genetically modified plants are generally known to the person skilled in the art and are described, e.g. in the publications mentioned above. These insecticidal proteins contained in the genetically modified plants impart to the plants producing these proteins tolerance to harmful pests from all taxonomic groups of arthropods, especially to beetles (Coleoptera), two-winged insects (Diptera), and moths (Lepidoptera) and to nematodes (Nematoda). Genetically modified plants capable to synthesize one or more insecticidal proteins are, e.g., described in the publications mentioned above, and some of which are commercially available such as YieldGard® (corn cultivars producing the Cry1Ab toxin), YieldGard® Plus (corn cultivars producing Cry1Ab and Cry3Bb1 toxins), Starlink® (corn

cultivars producing the Cry9c toxin), Herculex® RW (corn cultivars producing Cry34Ab1, Cry35Ab1 and the enzyme Phosphinothricin-*N*-Acetyltransferase [PAT]); NuCOTN® 33B (cotton cultivars producing the Cry1Ac toxin), Bollgard® I (cotton cultivars producing the Cry1Ac toxin), Bollgard® II (cotton cultivars producing Cry1Ac and Cry2Ab2 toxins); VIPCOT® (cotton cultivars producing a VIP-toxin); NewLeaf® (potato cultivars producing the Cry3A toxin); Bt-Xtra®, NatureGard®, KnockOut®, BiteGard®, Protecta®, Bt11 (e.g. Agrisure® CB) and Bt176 from Syngenta Seeds SAS, France, (corn cultivars producing the Cry1Ab toxin and PAT enzyme), MIR604 from Syngenta Seeds SAS, France (corn cultivars producing a modified version of the Cry3A toxin, c.f. WO 03/018810), MON 863 from Monsanto Europe S.A., Belgium (corn cultivars producing the Cry3Bb1 toxin), IPC 531 from Monsanto Europe S.A., Belgium (cotton cultivars producing a modified version of the Cry1Ac toxin) and 1507 from Pioneer Overseas Corporation, Belgium (corn cultivars producing the Cry1F toxin and PAT enzyme).

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more proteins to increase the resistance or tolerance of those plants to bacterial, viral or fungal pathogens. Examples of such proteins are the so-called "pathogenesis-related proteins" (PR proteins, see, e.g. EP-A 392 225), plant disease resistance genes (e.g. potato cultivars, which express resistance genes acting against *Phytophthora infestans* derived from the mexican wild potato *Solanum bulbocastanum*) or T4-lysozym (e.g. potato cultivars capable of synthesizing these proteins with increased resistance against bacteria such as *Erwinia amylovora*). The methods for producing such genetically modified plants are generally known to the person skilled in the art and are described, e.g. in the publications mentioned above.

Furthermore, plants are also covered that are by the use of recombinant DNA techniques capable to synthesize one or more proteins to increase the productivity (e.g. bio mass production, grain yield, starch content, oil content or protein content), tolerance to drought, salinity or other growth-limiting environmental factors or tolerance to pests and fungal, bacterial or viral pathogens of those plants.

Furthermore, plants are also covered that contain by the use of recombinant DNA techniques a modified amount of substances of content or new substances of content, specifically to improve human or animal nutrition, e.g. oil crops that produce health-promoting long-chain omega-3 fatty acids or unsaturated omega-9 fatty acids (e.g. Nexera® rape, DOW Agro Sciences, Canada).

Furthermore, plants are also covered that contain by the use of recombinant DNA techniques a modified amount of substances of content or new substances of content, specifically to improve raw material production, e.g. potatoes that produce increased amounts of amylopectin (e.g. Amflora® potato, BASF SE, Germany).

The method of treatment according to the invention can also be used in the field of protecting stored products or harvest against attack of fungi and microorganisms. According to the present invention, the term "stored products" is understood to denote natural substances of plant or animal origin and their processed forms, which have been taken from the natural life cycle and for which long-term protection is desired. Stored products of crop plant origin, such as plants or

parts thereof, for example stalks, leaves, tubers, seeds, fruits or grains, can be protected in the freshly harvested state or in processed form, such as pre-dried, moistened, comminuted, ground, pressed or roasted, which process is also known as post-harvest treatment. Also falling under the definition of stored products is timber, whether in the form of crude timber, such as construction timber, electricity pylons and barriers, or in the form of finished articles, such as furniture or objects made from wood. Stored products of animal origin are hides, leather, furs, hairs and the like. The combinations according to the present invention can prevent disadvantageous effects such as decay, discoloration or mold. Preferably "stored products" is understood to denote natural substances of plant origin and their processed forms, more preferably fruits and their processed forms, such as pomes, stone fruits, soft fruits and citrus fruits and their processed forms.

The mixtures and compositions according to the invention are particularly important in the control of a multitude of phytopathogenic insects or other pests (e.g. lepidopterans, beetles, dipterans, thrips, heteropterans, hemiptera, homoptera, termites, orthopterans, arachnids, and nematodes) on various cultivated plants, such as cereals, e.g. wheat, rye, barley, triticale, oats or rice; beet, e.g. sugar beet or fodder beet; fruits, such as pomes, stone fruits or soft fruits, e.g. apples, pears, plums, peaches, almonds, cherries, strawberries, raspberries, blackberries or gooseberries; leguminous plants, such as lentils, peas, alfalfa or soybeans; oil plants, such as rape, mustard, olives, sunflowers, coconut, cocoa beans, castor oil plants, oil palms, ground nuts or soybeans; cucurbits, such as squashes, cucumber or melons; fiber plants, such as cotton, flax, hemp or jute; citrus fruit, such as oranges, lemons, grapefruits or mandarins; vegetables, such as spinach, lettuce, asparagus, cabbages, carrots, onions, tomatoes, potatoes, cucurbits or paprika; lauraceous plants, such as avocados, cinnamon or camphor; energy and raw material plants, such as corn, soybean, rape, sugar cane or oil palm; corn; tobacco; nuts; coffee; tea; bananas; vines (table grapes and grape juice grape vines); hop; turf; natural rubber plants or ornamental and forestry plants, such as flowers, shrubs, broad-leaved trees or evergreens, e.g. conifers; and on the plant propagation material, such as seeds, and the crop material of these plants.

Preferably the inventive mixtures and compositions are used for controlling a multitude of pests on field crops, such as potatoes sugar beets, tobacco, wheat, rye, barley, oats, rice, corn, cotton, soybeans, rape, legumes, sunflowers, coffee or sugar cane; fruits; vines; ornamentals; or vegetables, such as cucumbers, tomatoes, beans or squashes.

The inventive mixtures and the compositions thereof, respectively, are particularly suitable for controlling the following harmful insects from the order of the

lepidopterans (Lepidoptera), for example *Agrotis ypsilon*, *Agrotis segetum*, *Alabama argillacea*, *Anticarsia gemmatilis*, *Argyresthia conjugella*, *Autographa gamma*, *Bupalus piniarius*, *Cacoecia murinana*, *Capua reticulana*, *Cheimatobia brumata*, *Choristoneura fumiferana*, *Choristoneura occidentalis*, *Cirphis unipuncta*, *Cydia pomonella*, *Dendrolimus pini*, *Diaphania nitidalis*, *Diatraea grandiosella*, *Earias insulana*, *Elasmopalpus lignosellus*, *Eupoecilia ambiguella*, *Evetria bouliana*, *Feltia subterranea*, *Galleria mellonella*, *Grapholitha funebrana*, *Grapholitha molesta*, *Heliothis armigera*, *Heliothis virescens*, *Heliothis zea*, *Hellula undalis*, *Hibernia defoliaria*, *Hyphantria cunea*, *Hyponomeuta malinellus*, *Keiferia lycopersicella*, *Lambdina*

- fiscellaria*, *Laphygma exigua*, *Leucoptera coffeella*, *Leucoptera scitella*, *Lithocolletis blanchardella*, *Lobesia botrana*, *Loxostege sticticalis*, *Lymantria dispar*, *Lymantria monacha*, *Lyonetia clerkella*, *Malacosoma neustria*, *Mamestra brassicae*, *Orgyia pseudotsugata*, *Ostrinia nubilalis*, *Panolis flammea*, *Pectinophora gossypiella*, *Peridroma saucia*, *Phalera bucephala*,
5 *Phthorimaea operculella*, *Phyllocnistis citrella*, *Pieris brassicae*, *Plathypena scabra*, *Plutella xylostella*, *Pseudoplusia includens*, *Rhyacionia frustrana*, *Scrobipalpula absoluta*, *Sitotroga cerealella*, *Sparganothis pilleriana*, *Spodoptera frugiperda*, *Spodoptera littoralis*, *Spodoptera litura*, *Thaumatopoea pityocampa*, *Tortrix viridana*, *Trichoplusia ni* and *Zeiraphera canadensis*,
beetles (Coleoptera), for example *Agrius sinuatus*, *Agriotes lineatus*, *Agriotes obscurus*,
10 *Amphimallus solstitialis*, *Anisandrus dispar*, *Anthonomus grandis*, *Anthonomus pomorum*, *Atomaria linearis*, *Blastophagus piniperda*, *Blitophaga undata*, *Bruchus rufimanus*, *Bruchus pisorum*, *Bruchus lentis*, *Byctiscus betulae*, *Cassida nebulosa*, *Ceratomya trifurcata*, *Ceuthorrhynchus assimilis*, *Ceuthorrhynchus napi*, *Chaetocnema tibialis*, *Conoderus vespertinus*, *Crioceris asparagi*, *Diabrotica longicornis*, *Diabrotica speciosa*, *Diabrotica 12-*
15 *punctata*, *Diabrotica virgifera*, *Diloboderus abderus*, *Epilachna varivestis*, *Epitrix hirtipennis*, *Eutinobothrus brasiliensis*, *Hylobius abietis*, *Hypera brunneipennis*, *Hypera postica*, *Ips typographus*, *Lema bilineata*, *Lema melanopus*, *Leptinotarsa decemlineata*, *Limonius californicus*, *Lissorhoptrus oryzophilus*, *Melanotus communis*, *Meligethes aeneus*, *Melolontha hippocastani*, *Melolontha melolontha*, *Oulema oryzae*, *Otiorrhynchus sulcatus*, *Oryzophagus*
20 *oryzae*, *Otiorrhynchus ovatus*, *Phaedon cochleariae*, *Phyllotreta chrysocephala*, *Phyllophaga sp.*, *Phyllophaga cuyabana*, *Phyllophaga triticeophaga*, *Phyllopertha horticola*, *Phyllotreta nemorum*, *Phyllotreta striolata*, *Popillia japonica*, *Sitona lineatus* and *Sitophilus granaria*,
dipterans (Diptera), for example *Aedes aegypti*, *Aedes vexans*, *Anastrepha ludens*, *Anopheles maculipennis*, *Ceratitis capitata*, *Chrysomya bezziana*, *Chrysomya hominivorax*, *Chrysomya*
25 *macellaria*, *Contarinia sorghicola*, *Cordylobia anthropophaga*, *Culex pipiens*, *Dacus cucurbitae*, *Dacus oleae*, *Dasineura brassicae*, *Fannia canicularis*, *Gasterophilus intestinalis*, *Glossina morsitans*, *Haematobia irritans*, *Haplodiplosis equestris*, *Hylemyia platura*, *Hypoderma lineata*, *Liriomyza sativae*, *Liriomyza trifolii*, *Lucilia caprina*, *Lucilia cuprina*, *Lucilia sericata*, *Lycoria pectoralis*, *Mayetiola destructor*, *Musca domestica*, *Muscina stabulans*, *Oestrus ovis*, *Oscinella*
30 *frit*, *Pegomya hysocyami*, *Phorbia antiqua*, *Phorbia brassicae*, *Phorbia coarctata*, *Rhagoletis cerasi*, *Rhagoletis pomonella*, *Tabanus bovinus*, *Tipula oleracea* and *Tipula paludosa*,
thrips (Thysanoptera), e.g. *Frankliniella fusca*, *Frankliniella occidentalis*, *Frankliniella tritici*, *Scirtothrips citri*, *Thrips oryzae*, *Thrips palmi* and *Thrips tabaci*,
hymenopterans (Hymenoptera), e.g. *Acromyrmex ambiguus*, *Acromyrmex crassispinus*,
35 *Acromyrmex heieri*, *Acromyrmex landolti*, *Acromyrmex subterraneus*, *Athalia rosae*, *Atta capiguara*, *Atta cephalotes*, *Atta laevigata*, *Atta robusta*, *Atta sexdens*, *Atta texana*, *Hoplocampa minuta*, *Hoplocampa testudinea*, *Monomorium pharaonis*, *Solenopsis geminata* and *Solenopsis invicta*,
heteropterans (Heteroptera), e.g. *Acrosternum hilare*, *Blissus leucopterus*, *Cyrtopeltis notatus*,
40 *Dichelops furcatus*, *Dysdercus cingulatus*, *Dysdercus intermedius*, *Euschistus heros*, *Eurygaster integriceps*, *Euschistus impictiventris*, *Leptoglossus phyllopus*, *Lygus lineolaris*, *Lygus*

pratensis, *Nezara viridula*, *Piesma quadrata*, *Piezodorus guildini*, *Solubea insularis* and *Thyanta perditor*,

Hemiptera and Homoptera, e.g. *Acrosternum hilare*, *Blissus leucopterus*, *Cyrtopeltis notatus*, *Diaphorina citri*, *Dysdercus cingulatus*, *Dysdercus intermedius*, *Eurygaster integriceps*,

- 5 *Euschistus impictiventris*, *Leptoglossus phyllopus*, *Lygus lineolaris*, *Lygus pratensis*, *Nezara viridula*, *Piesma quadrata*, *Solubea insularis*, *Thyanta perditor*, *Acyrtosiphon onobrychis*, *Adelges laricis*, *Aphidula nasturtii*, *Aphis fabae*, *Aphis forbesi*, *Aphis pomi*, *Aphis gossypii*, *Aphis grossulariae*, *Aphis schneideri*, *Aphis spiraecola*, *Aphis sambuci*, *Acyrtosiphon pisum*, *Aulacorthum solani*, *Brachycaudus cardui*, *Brachycaudus helichrysi*, *Brachycaudus persicae*,
- 10 *Brachycaudus prunicola*, *Brevicoryne brassicae*, *Capitophorus horni*, *Cerosiphia gossypii*, *Chaetosiphon fragaefolii*, *Cryptomyzus ribis*, *Dreyfusia nordmannianae*, *Dreyfusia piceae*, *Dysaphis radicola*, *Dysaulacorthum pseudosolani*, *Dysaphis plantaginea*, *Dysaphis pyri*, *Empoasca fabae*, *Hyalopterus pruni*, *Hyperomyzus lactucae*, *Macrosiphum avenae*, *Macrosiphum euphorbiae*, *Macrosiphum rosae*, *Megoura viciae*, *Melanaphis pyraus*,
- 15 *Metopolophium dirhodum*, *Myzodes persicae*, *Myzus ascalonicus*, *Myzus cerasi*, *Myzus varians*, *Nasonovia ribis-nigri*, *Nilaparvata lugens*, *Pemphigus bursarius*, *Perkinsiella saccharicida*, *Phorodon humuli*, *Psylla mali*, *Psylla piri*, *Rhopalosiphum ascalonicus*, *Rhopalosiphum maidis*, *Rhopalosiphum padi*, *Rhopalosiphum insertum*, *Sappaphis mala*, *Sappaphis mali*, *Schizaphis graminum*, *Schizoneura lanuginosa*, *Sitobion avenae*, *Trialeurodes vaporariorum*, *Toxoptera aurantii* and, *Viteus vitifolii*, *Cimex lectularius*, *Cimex hemipterus*, *Reduvius senilis*, *Triatoma*
- 20 *spp.*, and *Arilus critatus*,

termites (Isoptera), e.g. *Calotermes flavicollis*, *Cornitermes cumulans*, *Heterotermes tenuis*, *Leucotermes flavipes*, *Neocapritermes opacus*, *Procornitermes triacifer*; *Reticulitermes lucifugus*, *Syntermes molestus*, and *Termes natalensis*,

- 25 orthopterans (Orthoptera), e.g. *Acheta domestica*, *Blatta orientalis*, *Blattella germanica*, *Forficula auricularia*, *Gryllotalpa gryllotalpa*, *Locusta migratoria*, *Melanoplus bivittatus*, *Melanoplus femur-rubrum*, *Melanoplus mexicanus*, *Melanoplus sanguinipes*, *Melanoplus spretus*, *Nomadacris septemfasciata*, *Periplaneta americana*, *Schistocerca americana*, *Schistocerca peregrina*, *Stauronotus maroccanus* and *Tachycines asynamorus*,
- 30 Arachnoidea, such as arachnids, e.g. of the families Argasidae, Ixodidae and Sarcoptidae, such as *Amblyomma americanum*, *Amblyomma variegatum*, *Argas persicus*, *Boophilus annulatus*, *Boophilus decoloratus*, *Boophilus microplus*, *Dermacentor silvarum*, *Hyalomma truncatum*, *Ixodes ricinus*, *Ixodes rubicundus*, *Ornithodoros moubata*, *Otobius megnini*, *Dermanyssus gallinae*, *Psoroptes ovis*, *Rhipicephalus appendiculatus*, *Rhipicephalus evertsi*, *Sarcoptes scabiei*, and *Eriophyidae* spp. such as *Aculus schlechtendali*, *Phyllocoptrata oleivora* and *Eriophyes sheldoni*; *Tarsonemidae* spp. such as *Phytonemus pallidus* and *Polyphagotarsonemus latus*; *Tenuipalpidae* spp. such as *Brevipalpus phoenicis*; *Tetranychidae*
- 35 spp. such as *Tetranychus cinnabarinus*, *Tetranychus kanzawai*, *Tetranychus pacificus*, *Tetranychus telarius* and *Tetranychus urticae*, *Panonychus ulmi*, *Panonychus citri*, and
- 40 *Oligonychus pratensis*.

In particular, the inventive mixtures are suitable for combating pests of the orders Coleoptera, Lepidoptera, Thysanoptera, Homoptera, Isoptera, and Orthoptera.

They are also suitable for controlling the following plant parasitic nematodes such as root-knot

nematodes, *Meloidogyne arenaria*, *Meloidogyne chitwoodi*, *Meloidogyne exigua*, *Meloidogyne*

5 *hapla*, *Meloidogyne incognita*, *Meloidogyne javanica* and other *Meloidogyne species*; cyst

nematodes, *Globodera rostochiensis*, *Globodera pallida*, *Globodera tabacum* and other

Globodera species, *Heterodera avenae*, *Heterodera glycines*, *Heterodera schachtii*, *Heterodera*

trifolii, and other *Heterodera species*; seed gall nematodes, *Anguina funesta*, *Anguina tritici* and

10 other *Anguina species*; stem and foliar nematodes, *Aphelenchoides besseyi*, *Aphelenchoides*

fragariae, *Aphelenchoides ritzemabosi* and other *Aphelenchoides species*; sting nematodes,

Belonolaimus longicaudatus and other *Belonolaimus species*; pine nematodes,

Bursaphelenchus xylophilus and other *Bursaphelenchus species*; ring nematodes, *Criconema*

species, *Criconemella species*, *Criconemoides species*, and *Mesocriconema species*; stem and

15 bulb nematodes, *Ditylenchus destructor*, *Ditylenchus dipsaci*, *Ditylenchus myceliophagus* and

other *Ditylenchus species*; awl nematodes, *Dolichodorus species*; spiral nematodes,

Helicotylenchus dihystra, *Helicotylenchus multicinctus* and other *Helicotylenchus species*,

Rotylenchus robustus and other *Rotylenchus species*; sheath nematodes, *Hemicycliophora*

species and *Hemicriconemoides species*; *Hirshmanniella species*; lance nematodes,

Hoplolaimus columbus, *Hoplolaimus galeatus* and other *Hoplolaimus species*; false root-knot

20 nematodes, *Nacobbus aberrans* and other *Nacobbus species*; needle nematodes, *Longidorus*

elongates and other *Longidorus species*; pin nematodes, *Paratylenchus species*; lesion

nematodes, *Pratylenchus brachyurus*, *Pratylenchus coffeae*, *Pratylenchus curvatus*,

Pratylenchus goodeyi, *Pratylenchus neglectus*, *Pratylenchus penetrans*, *Pratylenchus scribneri*,

Pratylenchus vulnus, *Pratylenchus zaeae* and other *Pratylenchus species*; *Radinaphelenchus*

25 *cocophilus* and other *Radinaphelenchus species*; burrowing nematodes, *Radopholus similis* and

other *Radopholus species*; reniform nematodes, *Rotylenchulus reniformis* and other

Rotylenchulus species; *Scutellonema species*; stubby root nematodes, *Trichodorus primitivus*

and other *Trichodorus species*; *Paratrichodorus minor* and other *Paratrichodorus species*; stunt

30 nematodes, *Tylenchorhynchus claytoni*, *Tylenchorhynchus dubius* and other *Tylenchorhynchus*

species and *Merlinius species*; citrus nematodes, *Tylenchulus semipenetrans* and other

Tylenchulus species; dagger nematodes, *Xiphinema americanum*, *Xiphinema index*, *Xiphinema*

diversicaudatum and other *Xiphinema species*; and other plant parasitic nematode species

Plant propagation materials may be treated with the mixtures and compositions of the invention prophylactically either at or before planting or transplanting.

35 In particular, the present invention relates to a method for protection of plant propagation material from pests, wherein the plant propagation material is treated with an effective amount of an inventive mixture.

In a preferred embodiment, the present invention relates to a method for protection of plant propagation material from animal pests (insects, acarids or nematodes), wherein the plant
40 propagation material are treated with an effective amount of an inventive mixture.

In an equally preferred embodiment, the present invention relates to a method for protection of

plant propagation material from harmful fungi, wherein the plant propagation material is treated with an effective amount of an inventive mixture.

In general, "pesticidally effective amount" means the amount of the inventive mixtures or of compositions comprising the mixtures needed to achieve an observable effect on growth, including the effects of necrosis, death, retardation, prevention, and removal, destruction, or otherwise diminishing the occurrence and activity of the target organism. The pesticidally effective amount can vary for the various mixtures / compositions used in the invention. A pesticidally effective amount of the mixtures / compositions will also vary according to the prevailing conditions such as desired pesticidal effect and duration, weather, target species, locus, mode of application, and the like.

In an equally preferred embodiment, the present invention relates to a method for improving the nitrification-inhibiting effect, wherein the seeds, the plants or the soil are treated with a NI effective amount of an inventive mixture.

The term "NI effective amount" denotes an amount of the inventive mixtures, which is sufficient for achieving nitrification-inhibiting effects as defined herein below. More exemplary information about amounts, ways of application and suitable ratios to be used is given below. Anyway, the skilled artisan is well aware of the fact that such an amount can vary in a broad range and is dependent on various factors, e.g. weather, target species, locus, mode of application, soil type, the treated cultivated plant or material and the climatic conditions.

According to the present invention, the nitrification-inhibiting effect is increased by at least 2%, more preferably by at least 4%, most preferably at least 7 %, particularly preferably at least 10 %, more particularly preferably by at least 15%, most particularly preferably by at least 20%, particularly more preferably by at least 25%, particularly most preferably by at least 30%, particularly by at least 35%, especially more preferably by at least 40%, especially most preferably by at least 45%, especially by at least 50%, in particular preferably by at least 55%, in particular more preferably by at least 60%, in particular most preferably by at least 65%, in particular by at least 70%, for example by at least 75%. In general, the increase of the nitrification-inhibiting effect may be for example 5 to 10 %, more preferably 10 to 20 %, most preferably 20 to 30%. The nitrification-inhibiting effect can be measured according to the Example 1 and Example 2 as shown below:

Example 1:

The compositions and mixtures of the invention have been tested as follows in terms of the inhibition of nitrification:

Soil was sampled fresh from a field (e.g. Limburgerhof), dried and sieved through a 500µm sieve. Approximately 200 mg of soil were placed into each well of a 48 well plate. The compositions or mixtures of the invention, or DMSO alone, were added at a concentration of 10 ppm, dissolved in 1% DMSO. 6 µmol ammonium sulfate was added per well as well as 4.8 mg NaClO₃.

Subsequently, the samples were incubated at room temperature for up to 72 hrs. After the incubation period 64mg KCl were added and mixed. 25 µl of the supernatant were placed into a fresh plate and 260 µl of a color reaction solution (from Merck Nr 1.11799.0100) were added.

Measurements were taken with a Tecan plate Reader at 540 nm wavelength.

Example 2: (For those results with a % inhibition and not results in ppm):

- 5 100g soil is filled into 500ml plastic bottles (e.g. soil sampled from the field) and is moistened to 50% water holding capacity. The soil is incubated at 20°C for two weeks to activate the microbial biomass. 1ml test solution, containing the compositions and mixtures of the invention in the appropriate concentration (usually 0,3 or 1% of nitrogen N), or DMSO and 10mg nitrogen in the form of ammoniumsulfate-N is added to the soil and everything mixed well. Bottles are
10 capped but loosely to allow air exchange. The bottles are then incubated at 20°C for 0 and 14 days.

- For analysis, 300ml of a 1% K₂SO₄-solution is added to the bottle containing the soil and shaken for 2 hrs in a horizontal shaker at 150 rpm. Then the whole solution is filtered through a
15 Macherey-Nagel Filter MN 807 ¼. Ammonium and nitrate content is then analyzed in the filtrate in an autoanalyzer at 550 nm (Merck, AA11).

Calculations:

20

$$\text{inhibition in \%} = \frac{(\text{NO}_3\text{-N}_{\text{ without NI at end of incubation }} - \text{NO}_3\text{-N}_{\text{ with NI at end of incubation }})}{(\text{NO}_3\text{-N}_{\text{ without NI at end of incubation }} - \text{NO}_3\text{-N}_{\text{ at beginning }})} \times 100$$

- 25 In an equally preferred embodiment, the present invention relates to a method for improving the health of plants, wherein the plants are treated with a plant health effective amount of an inventive mixture.

- The term "plant health effective amount" denotes an amount of the inventive mixtures, which is sufficient for achieving plant health effects as defined herein below. More exemplary information
30 about amounts, ways of application and suitable ratios to be used is given below. Anyway, the skilled artisan is well aware of the fact that such an amount can vary in a broad range and is dependent on various factors, e.g. the treated cultivated plant or material and the climatic conditions.

- Healthier plants are desirable since they result among others in better yields and/or a better
35 quality of the plants or crops, specifically better quality of the harvested plant parts. Healthier plants also better resist to biotic and/or abiotic stress. A high resistance against biotic stresses in turn allows the person skilled in the art to reduce the quantity of pesticides applied and consequently to slow down the development of resistances against the respective pesticides.

It has to be emphasized that the above mentioned effects of the inventive mixtures, i.e. enhanced health of the plant, are also present when the plant is not under biotic stress and in particular when the plant is not under pest pressure.

For example, for seed treatment and soil applications, it is evident that a plant suffering from fungal or insecticidal attack shows reduced germination and emergence leading to poorer plant or crop establishment and vigor, and consequently, to a reduced yield as compared to a plant propagation material which has been subjected to curative or preventive treatment against the relevant pest and which can grow without the damage caused by the biotic stress factor.

However, the methods according to the invention lead to an enhanced plant health even in the absence of any biotic stress. This means that the positive effects of the mixtures of the invention cannot be explained just by the pesticidal activities of the compounds I and compounds II, but are based on further activity profiles. Accordingly, the application of the inventive mixtures can also be carried out in the absence of pest pressure.

In an equally preferred embodiment, the present invention relates to a method for improving the health of plants grown from said plant propagation material, wherein the plant propagation material is treated with an effective amount of an inventive mixture.

Each plant health indicator listed below, which is selected from the groups consisting of yield, plant vigor, quality and tolerance of the plant to abiotic and/or biotic stress, is to be understood as a preferred embodiment of the present invention either each on its own or preferably in combination with each other.

According to the present invention, "increased yield" of a plant means that the yield of a product of the respective plant is increased by a measurable amount over the yield of the same product of the plant produced under the same conditions, but without the application of the inventive mixture.

For seed treatment e.g. as inoculant and/or foliar application forms, increased yield can be characterized, among others, by the following improved properties of the plant: increased plant weight; and/or increased plant height; and/or increased biomass such as higher overall fresh weight (FW) or dry weight (DW); and/or increased number of flowers per plant; and/or higher grain and/or fruit yield; and/or more tillers or side shoots (branches); and/or larger leaves; and/or increased shoot growth; and/or increased protein content; and/or increased oil content; and/or increased starch content; and/or increased pigment content; and/or increased chlorophyll content (chlorophyll content has a positive correlation with the plant's photosynthesis rate and accordingly, the higher the chlorophyll content the higher the yield of a plant) and/or increased quality of a plant; and/or better nitrogen uptake (N uptake).

"Grain" and "fruit" are to be understood as any plant product which is further utilized after harvesting, e.g. fruits in the proper sense, vegetables, nuts, grains, seeds, wood (e.g. in the case of silviculture plants), flowers (e.g. in the case of gardening plants, ornamentals) etc., that is anything of economic value that is produced by the plant.

According to the present invention, the yield is increased by at least 2%, more preferably by at least 4%, most preferably at least 7 %, particularly preferably at least 10 %, more particularly

preferably by at least 15%, most particularly preferably by at least 20%, particularly more preferably by at least 25%, particularly most preferably by at least 30%, particularly by at least 35%, especially more preferably by at least 40%, especially most preferably by at least 45%, especially by at least 50%, in particular preferably by at least 55%, in particular more preferably by at least 60%, in particular most preferably by at least 65%, in particular by at least 70%, for example by at least 75%.

According to the present invention, the yield – if measured in the absence of pest pressure - is increased by at least 2%, more preferably by at least 4%, most preferably at least 7 %, particularly preferably at least 10 %, more particularly preferably by at least 15%, most particularly preferably by at least 20%, particularly more preferably by at least 25%, particularly most preferably by at least 30%, particularly by at least 35%, especially more preferably by at least 40%, especially most preferably by at least 45%, especially by at least 50%, in particular preferably by at least 55%, in particular more preferably by at least 60%, in particular most preferably by at least 65%, in particular by at least 70%, for example by at least 75%.

Another indicator for the condition of the plant is the plant vigor. The plant vigor becomes manifest in several aspects such as the general visual appearance.

For foliar applications, improved plant vigor can be characterized, among others, by the following improved properties of the plant: improved vitality of the plant; and/or improved plant growth; and/or improved plant development; and/or improved visual appearance; and/or improved plant stand (less plant verse/lodging and/or bigger leaf blade; and/or bigger size; and/or increased plant height; and/or increased tiller number; and/or increased number of side shoots; and/or increased number of flowers per plant; and/or increased shoot growth; and/or enhanced photosynthetic activity (e.g. based on increased stomatal conductance and/or increased CO₂ assimilation rate)); and/or earlier flowering; and/or earlier fruiting;; and/or earlier grain maturity; and/or less non-productive tillers; and/or less dead basal leaves; and/or less input needed (such as fertilizers or water); and/or greener leaves; and/or complete maturation under shortened vegetation periods; and/or easier harvesting; and/or faster and more uniform ripening; and/or longer shelf-life; and/or longer panicles; and/or delay of senescence ; and/or stronger and/or more productive tillers; and/or better extractability of ingredients; and/or improved quality of seeds (for being seeded in the following seasons for seed production); and/or reduced production of ethylene and/or the inhibition of its reception by the plant.

Another indicator for the condition of the plant is the "quality" of a plant and/or its products.

According to the present invention, enhanced quality means that certain plant characteristics such as the content or composition of certain ingredients are increased or improved by a measurable or noticeable amount over the same factor of the plant produced under the same conditions, but without the application of the mixtures of the present invention. Enhanced quality can be characterized, among others, by following improved properties of the plant or its product: increased nutrient content; and/or increased protein content; and/or increased oil content; and/or increased starch content; and/or increased content of fatty acids; and/or increased metabolite content; and/or increased carotenoid content; and/or increased sugar content; and/or increased amount of essential amino acids; and/or improved nutrient composition; and/or improved protein composition; and/or improved composition of fatty acids; and/or improved

metabolite composition; and/or improved carotenoid composition; and/or improved sugar composition; and/or improved amino acids composition ; and/or improved or optimal fruit color; and/or improved leaf color; and/or higher storage capacity; and/or better processability of the harvested products.

- 5 Another indicator for the condition of the plant is the plant's tolerance or resistance to biotic and/or abiotic stress factors. Biotic and abiotic stress, especially over longer terms, can have harmful effects on plants.

Biotic stress is caused by living organisms while abiotic stress is caused for example by environmental extremes. According to the present invention, "enhanced tolerance or resistance
10 to biotic and/or abiotic stress factors" means (1.) that certain negative factors caused by biotic and/or abiotic stress are diminished in a measurable or noticeable amount as compared to plants exposed to the same conditions, but without being treated with an inventive mixture and (2.) that the negative effects are not diminished by a direct action of the inventive mixture on the stress factors, e.g. by its fungicidal or insecticidal action which directly destroys the
15 microorganisms or pests, but rather by a stimulation of the plants' own defensive reactions against said stress factors.

Negative factors caused by biotic stress such as pathogens and pests are widely known and are caused by living organisms, such as competing plants (for example weeds), microorganisms (such as phytopathogenic fungi and/or bacteria) and/or viruses.

- 20 Negative factors caused by abiotic stress are also well-known and can often be observed as reduced plant vigor (see above), for example:

less yield and/or less vigor, for both effects examples can be burned leaves, less flowers, pre-mature ripening, later crop maturity, reduced nutritional value amongst others.

- Abiotic stress can be caused for example by: extremes in temperature such as heat or cold
25 (heat stress / cold stress); and/or strong variations in temperature; and/or temperatures unusual for the specific season; and/or drought (drought stress); and/or extreme wetness; and/or high salinity (salt stress); and/or radiation (for example by increased UV radiation due to the decreasing ozone layer); and/or increased ozone levels (ozone stress); and/or organic pollution (for example by phytotoxic amounts of pesticides); and/or inorganic pollution (for example by
30 heavy metal contaminants).

- As a result of biotic and/or abiotic stress factors, the quantity and the quality of the stressed plants decrease. As far as quality (as defined above) is concerned, reproductive development is usually severely affected with consequences on the crops which are important for fruits or seeds. Synthesis, accumulation and storage of proteins are mostly affected by temperature;
35 growth is slowed by almost all types of stress; polysaccharide synthesis, both structural and storage is reduced or modified: these effects result in a decrease in biomass (yield) and in changes in the nutritional value of the product.

- As pointed out above, the above identified indicators for the health condition of a plant may be interdependent and may result from each other. For example, an increased resistance to biotic
40 and/or abiotic stress may lead to a better plant vigor, e.g. to better and bigger crops, and thus to

an increased yield. Inversely, a more developed root system may result in an increased resistance to biotic and/or abiotic stress. However, these interdependencies and interactions are neither all known nor fully understood and therefore the different indicators are described separately.

- 5 In one embodiment the inventive mixtures effectuate an increased yield of a plant or its product. In another embodiment the inventive mixtures effectuate an increased vigor of a plant or its product. In another embodiment the inventive mixtures effectuate in an increased quality of a plant or its product. In yet another embodiment the inventive mixtures effectuate an increased tolerance and/or resistance of a plant or its product against biotic stress. In yet another
10 embodiment the inventive mixtures effectuate an increased tolerance and/or resistance of a plant or its product against abiotic stress.

The invention also relates to agrochemical compositions comprising an auxiliary and at least one compound I and at least one compound II, or a cell-free extract of compound II or at least one metabolite thereof having pesticidal activity, and/or a mutant of compound II having
15 pesticidal activity and producing at least one pesticidal metabolite as defined herein, or a pesticidal metabolite or extract of the mutant, and at least one pesticide II according to the invention.

An agrochemical composition comprises a NI effective amount or plant health effective amount of compound I. Such an amount can vary in a broad range and is dependent on various factors,
20 e.g. weather, target species, locus, mode of application, soil type, the treated cultivated plant or material and the climatic conditions.

An agrochemical composition comprises a fungicidally or insecticidally or plant health effective amount of compound II, or a cell-free extract thereof or at least one metabolite thereof having pesticidal activity, and/or a mutant of compound II having pesticidal activity and producing at
25 least one pesticidal metabolite as defined herein, or a pesticidal metabolite or extract of the mutant, and at least one pesticide II. Such an amount can vary in a broad range and is dependent on various factors, such as the fungal or pest species to be controlled, the treated cultivated plant or material, the climatic conditions.

According to one embodiment, individual components of the composition according to the
30 invention such as parts of a kit or parts of a binary or ternary mixture may be mixed by the user himself in a spray tank or any other kind of vessel used for applications (e.g. seed treater drums, seed pelleting machinery, knapsack sprayer) and further auxiliaries may be added, if appropriate. When living microorganisms form part of such kit, it must be taken care that choice and amounts of the other parts of the kit (e.g. chemical pesticidal agents) and of the further
35 auxiliaries should not influence the viability of the microbial pesticides in the composition mixed by the user. Especially for bactericides and solvents, compatibility with the respective microbial pesticide has to be taken into account.

Consequently, one embodiment of the invention is a kit for preparing a usable pesticidal composition, the kit comprising a) a composition comprising compound I as defined herein and at
40 least one auxiliary; and b) a composition comprising compound II as defined herein and at least one auxiliary; and optionally c) a composition comprising at least one auxiliary and optionally a

further active component III as defined herein.

The compounds and/or mixtures or compositions of the invention are also suitable for use against non-crop insect pests. For use against said non-crop pests, compounds and/or mixtures or compositions of the invention can be used as bait composition, gel, general insect spray, aerosol, as ultra-low volume application and bed net (impregnated or surface applied). Furthermore, drenching and rodding methods can be used.

As used herein, the term "non-crop insect pest" refers to pests, which are particularly relevant for non-crop targets, such as ants, termites, wasps, flies, ticks, mosquitos, crickets, or cockroaches.

The bait can be a liquid, a solid or a semisolid preparation (e.g. a gel). The bait employed in the composition is a product, which is sufficiently attractive to incite insects such as ants, termites, wasps, flies, mosquitos, crickets etc. or cockroaches to eat it. The attractiveness can be manipulated by using feeding stimulants or sex pheromones. Food stimulants are chosen, for example, but not exclusively, from animal and/or plant proteins (meat-, fish- or blood meal, insect parts, egg yolk), from fats and oils of animal and/or plant origin, or mono-, oligo- or polyorganosaccharides, especially from sucrose, lactose, fructose, dextrose, glucose, starch, pectin or even molasses or honey. Fresh or decaying parts of fruits, crops, plants, animals, insects or specific parts thereof can also serve as a feeding stimulant. Sex pheromones are known to be more insect specific. Specific pheromones are described in the literature (e.g. <http://www.pherobase.com>), and are known to those skilled in the art.

For use in bait compositions, the typical content of active ingredient is from 0.001 weight % to 15 weight %, desirably from 0.001 weight % to 5% weight % of active compound.

Formulations of the compounds and/or mixtures or compositions of the invention as aerosols (e.g in spray cans), oil sprays or pump sprays are highly suitable for the non-professional user for controlling pests such as flies, fleas, ticks, mosquitos or cockroaches. Aerosol recipes are preferably composed of the active compound, solvents, furthermore auxiliaries such as emulsifiers, perfume oils, if appropriate stabilizers, and, if required, propellants.

The oil spray formulations differ from the aerosol recipes in that no propellants are used.

For use in spray compositions, the content of active ingredient is from 0.001 to 80 weights %, preferably from 0.01 to 50 weight % and most preferably from 0.01 to 15 weight %.

The compounds and/or mixtures or compositions of the invention and its respective compositions can also be used in mosquito and fumigating coils, smoke cartridges, vaporizer plates or long-term vaporizers and also in moth papers, moth pads or other heat-independent vaporizer systems.

Methods to control infectious diseases transmitted by insects (e.g. malaria, dengue and yellow fever, lymphatic filariasis, and leishmaniasis) with compounds and/or mixtures or compositions of the invention and its respective compositions also comprise treating surfaces of huts and houses, air spraying and impregnation of curtains, tents, clothing items, bed nets, tsetse-fly trap or the like. Insecticidal compositions for application to fibers, fabric, knitgoods, nonwovens, netting material or foils and tarpaulins preferably comprise a mixture including the insecticide, optionally a repellent and at least one binder.

The compounds and/or mixtures or compositions of the invention and its compositions can be used for protecting wooden materials such as trees, board fences, sleepers, frames, artistic

artifacts, etc. and buildings, but also construction materials, furniture, leathers, fibers, vinyl articles, electric wires and cables etc. from ants and/or termites, and for controlling ants and termites from doing harm to crops or human being (e.g. when the pests invade into houses and public facilities).

- 5 Customary application rates in the protection of materials are, for example, from 0.001 g to 2000 g or from 0.01 g to 1000 g of active compound per m² treated material, desirably from 0.1 g to 50 g per m².

Insecticidal compositions for use in the impregnation of materials typically contain from 0.001 to 95 weight %, preferably from 0.1 to 45 weight %, and more preferably from 1 to 25 weight %
10 of at least one repellent and/or insecticide.

Pests

The compounds and/or mixtures or compositions of the invention are especially suitable for efficiently combating animal pests such as arthropods, gastropods and nematodes including but
15 not limited to:

insects from the order of **Lepidoptera**, for example *Achroia grisella*, *Acleris* spp. such as *A. fimbriana*, *A. gloverana*, *A. variana*; *Acrolepiopsis assectella*, *Acrionicta major*, *Adoxophyes* spp. such as *A. cyrtosema*, *A. orana*; *Aedia leucomelas*, *Agrotis* spp. such as *A. exclamationis*, *A. fucosa*, *A. ipsilon*, *A. orthogoma*, *A. segetum*, *A. subterranea*; *Alabama argillacea*, *Aleurodicus dispersus*, *Alsophila pometaria*, *Ampelophaga rubiginosa*, *Amyelois transitella*, *Anacamptis sarcitella*, *Anagasta kuehniella*, *Anarsia lineatella*, *Anisota senatoria*, *Antheraea pernyi*, *Anticarsia* (= *Thermesia*) spp. such as *A. gemmatilis*; *Apamea* spp., *Aproaerema modicella*, *Archips* spp. such as *A. argyrospila*, *A. fuscocupreanus*, *A. rosana*, *A. xylozeanus*; *Argyresthia conjugella*, *Argyroplote* spp., *Argyrotaenia* spp. such as *A. velutinana*; *Athetis mindara*,
20 *Austroasca viridigrisea*, *Autographa gamma*, *Autographa nigrisigna*, *Barathra brassicae*, *Bedellia* spp., *Bonagota salubricola*, *Borbo cinnara*, *Bucculatrix thurberiella*, *Bupalus piniarius*, *Busseola* spp., *Cacoecia* spp. such as *C. murinana*, *C. podana*; *Cactoblastis cactorum*, *Cadra cautella*, *Calingo braziliensis*, *Caloptilis theivora*, *Capua reticulana*, *Carposina* spp. such as *C. niponensis*, *C. sasakii*; *Cephus* spp., *Chaetocnema aridula*, *Cheimatobia brumata*, *Chilo* spp.
25 such as *C. Indicus*, *C. suppressalis*, *C. partellus*; *Choreutis pariana*, *Choristoneura* spp. such as *C. conflictana*, *C. fumiferana*, *C. longicellana*, *C. murinana*, *C. occidentalis*, *C. rosaceana*; *Chrysodeixis* (= *Pseudoplusia*) spp. such as *C. eriosoma*, *C. includens*; *Cirphis unipuncta*, *Clysia ambiguella*, *Cnaphalocerus* spp., *Cnaphalocrocis medinalis*, *Cnephasia* spp., *Cochylis hospes*, *Coleophora* spp., *Colias eurytheme*, *Conopomorpha* spp., *Conotrachelus* spp., *Copitarsia* spp.,
30 *Corcyra cephalonica*, *Crambus caliginosellus*, *Crambus teterrellus*, *Crociosema* (= *Epinotia*) *aporema*, *Cydalima* (= *Diaphania*) *perspectalis*, *Cydia* (= *Carpocapsa*) spp. such as *C. pomonella*, *C. latiferreana*; *Dalaca noctuides*, *Datana integerrima*, *Dasychira pinicola*, *Dendrolimus* spp. such as *D. pini*, *D. spectabilis*, *D. sibiricus*; *Desmia funeralis*, *Diaphania* spp. such as *D. nitidalis*, *D. hyalinata*; *Diatraea grandiosella*, *Diatraea saccharalis*, *Diphthera festiva*,
40 *Earias* spp. such as *E. insulana*, *E. vittella*; *Ecdytolopha aurantianu*, *Egira* (= *Xylomyges*) *curialis*, *Elasmopalpus lignosellus*, *Eldana saccharina*, *Endopiza viteana*, *Ennomos subsignaria*, *Eoreuma loftini*, *Ephestia* spp. such as *E. cautella*, *E. elutella*, *E. kuehniella*; *Epinotia aporema*, *Epiphyas postvittana*, *Erannis tiliaria*, *Erionota thrax*, *Etiella* spp., *Eulia* spp., *Eupoecilia*

- ambiguella*, *Euproctis chrysorrhoea*, *Euxoa* spp., *Evetria bouliana*, *Faronta albilinea*, *Feltia* spp. such as *F. subterranean*; *Galleria mellonella*, *Gracillaria* spp., *Grapholita* spp. such as *G. funebrana*, *G. molesta*, *G. inopinata*; *Halysidota* spp., *Harrisina americana*, *Hedylepta* spp., *Helicoverpa* spp. such as *H. armigera* (= *Heliothis armigera*), *H. zea* (= *Heliothis zea*); *Heliothis* spp. such as *H. assulta*, *H. subflexa*, *H. virescens*; *Hellula* spp. such as *H. undalis*, *H. rogatalis*; *Helocoverpa gelatopoeon*, *Hemileuca oliviae*, *Herpetogramma licarsisalis*, *Hibernia defoliaria*, *Hofmannophila pseudospretella*, *Homoeosoma electellum*, *Homona magnanima*, *Hypena scabra*, *Hyphantria cunea*, *Hyponomeuta padella*, *Hyponomeuta malinellus*, *Kakivoria flavofasciata*, *Keiferia lycopersicella*, *Lambdina fiscellaria fiscellaria*, *Lambdina fiscellaria lugubrosa*, *Lamprosema indicata*, *Laspeyresia molesta*, *Leguminivora glycinivorella*, *Lerodea eufala*, *Leucinodes orbonalis*, *Leucoma salicis*, *Leucoptera* spp. such as *L. coffeella*, *L. scitella*; *Leuminivora lycinivorella*, *Lithocolletis blancardella*, *Lithophane antennata*, *Llattia octo* (= *Amyna axis*), *Lobesia botrana*, *Lophocampa* spp., *Loxagrotis albicosta*, *Loxostege* spp. such as *L. sticticalis*, *L. cerealis*; *Lymantria* spp. such as *L. dispar*, *L. monacha*; *Lyonetia clerkella*, *Lyonetia prunifoliella*, *Malacosoma* spp. such as *M. americanum*, *M. californicum*, *M. constrictum*, *M. neustria*; *Mamestra* spp. such as *M. brassicae*, *M. configurata*; *Mamestra brassicae*, *Manduca* spp. such as *M. quinquemaculata*, *M. sexta*; *Marasmia* spp., *Marmara* spp., *Maruca testulalis*, *Megalopyge lanata*, *Melanchra picta*, *Melanitis leda*, *Mocis* spp. such as *M. lapites*, *M. repanda*; *Mocis latipes*, *Monochroa fragariae*, *Mythimna separata*, *Nemapogon cloacella*, *Neoleucinodes elegantalis*, *Nepytia* spp., *Nymphula* spp., *Oiketicus* spp., *Omiodes indicata*, *Omphisa anastomosalis*, *Operophtera brumata*, *Orgyia pseudotsugata*, *Oria* spp., *Orthaga thyrisalis*, *Ostrinia* spp. such as *O. nubilalis*; *Oulema oryzae*, *Paleacrita vernata*, *Panolis flammea*, *Parnara* spp., *Papaipema nebris*, *Papilio cresphontes*, *Paramyelois transitella*, *Paranthrene regalis*, *Paysandisia archon*, *Pectinophora* spp. such as *P. gossypiella*; *Peridroma saucia*, *Perileucoptera* spp., such as *P. coffeella*; *Phalera bucephala*, *Phryganidia californica*, *Phthorimaea* spp. such as *P. operculella*; *Phyllocnistis citrella*, *Phyllonorycter* spp. such as *P. blancardella*, *P. crataegella*, *P. issikii*, *P. ringoniella*; *Pieris* spp. such as *P. brassicae*, *P. rapae*, *P. napi*; *Pilocrocis tripunctata*, *Plathypena scabra*, *Platynota* spp. such as *P. flavedana*, *P. idaeusalis*, *P. stultana*; *Platyptilia carduidactyla*, *Plebejus argus*, *Plodia interpunctella*, *Plusia* spp., *Plutella maculipennis*, *Plutella xylostella*, *Pontia protodica*, *Prays* spp., *Prodenia* spp., *Proxenus lepigone*, *Pseudaletia* spp. such as *P. sequax*, *P. unipuncta*; *Pyrausta nubilalis*, *Rachiplusia nu*, *Richia albicosta*, *Rhizobius ventralis*, *Rhyacionia frustrana*, *Sabulodes aegrotata*, *Schizura concinna*, *Schoenobius* spp., *Schreckensteinia festaliella*, *Scirpophaga* spp. such as *S. incertulas*, *S. innotata*; *Scotia segetum*, *Sesamia* spp. such as *S. inferens*, *Seudya subflava*, *Sitotroga cerealella*, *Sparganothis pilleriana*, *Spilonota lechriaspis*, *S. ocellana*, *Spodoptera* (= *Lamphygma*) spp. such as *S. cosmoides*, *S. eridania*, *S. exigua*, *S. frugiperda*, *S. latifascia*, *S. littoralis*, *S. litura*, *S. omithogalli*; *Stigmella* spp., *Stomopteryx subsecivella*, *Strymon bazochii*, *Sylepta derogata*, *Synanthedon* spp. such as *S. exitiosa*, *Tecia solanivora*, *Telehin licus*, *Thaumatopoea pityocampa*, *Thaumatotibia* (= *Cryptophlebia*) *leucotreta*, *Thaumatopoea pityocampa*, *Thecla* spp., *Theresimima ampelophaga*, *Thyrintina* spp., *Tildenia inconspicua*, *Tinea* spp. such as *T. cloacella*, *T. pellionella*; *Tineola bisselliella*, *Tortrix* spp. such as *T. viridana*; *Trichophaga tapetzella*, *Trichoplusia* spp. such as *T. ni*; *Tuta*

(=Scrobipalpula) *absoluta*, *Udea* spp. such as *U. rubigalis*, *U. rubigalis*; *Virachola* spp., *Yponomeuta padella*, and *Zeiraphera canadensis*;

- insects from the order of **Coleoptera**, for example *Acalymma vittatum*, *Acanthoscehdes obtectus*, *Adoretus* spp., *Agelastica alni*, *Agrius* spp. such as *A. anxius*, *A. planipennis*, *A. sinuatus*; *Agriotes* spp. such as *A. fuscicollis*, *A. lineatus*, *A. obscurus*; *Alphitobius diaperinus*, *Amphimallus solstitialis*, *Anisandrus dispar*, *Anisoplia austriaca*, *Anobium punctatum*, *Anomala corpulenta*, *Anomala rufocuprea*, *Anoplophora* spp. such as *A. glabripennis*; *Anthonomus* spp. such as *A. eugenii*, *A. grandis*, *A. pomorum*; *Anthrenus* spp., *Aphthona euphoridae*, *Apion* spp., *Apogonia* spp., *Athous haemorrhoidalis*, *Atomaria* spp. such as *A. linearis*; *Attagenus* spp.,
- 10 *Aulacophora femoralis*, *Blastophagus piniperda*, *Blitophaga undata*, *Bruchidius obtectus*, *Bruchus* spp. such as *B. lentis*, *B. pisorum*, *B. rufimanus*; *Byctiscus betulae*, *Callidiellum rufipenne*, *Callopietria floridensis*, *Callosobruchus chinensis*, *Cameraria ohridella*, *Cassida nebulosa*, *Cerotoma trifurcata*, *Cetonia aurata*, *Ceuthorhynchus* spp. such as *C. assimilis*, *C. napi*; *Chaetocnema tibialis*, *Cleonus mendicus*, *Conoderus* spp. such as *C. vespertinus*;
- 15 *Conotrachelus nenuphar*, *Cosmopolites* spp., *Costelytra zealandica*, *Crioceris asparagi*, *Cryptolestes ferrugineus*, *Cryptorhynchus lapathi*, *Ctenicera* spp. such as *C. destructor*; *Curculio* spp., *Cylindrocopturus* spp., *Cyclocephala* spp., *Dactylispa balyi*, *Dectes texanus*, *Dermestes* spp., *Diabrotica* spp. such as *D. undecimpunctata*, *D. speciosa*, *D. longicornis*, *D. semipunctata*, *D. virgifera*; *Diaprepes abbreviates*, *Dichocrocis* spp., *Diadisa armigera*,
- 20 *Diloboderus abderus*, *Diocalandra frumenti* (*Diocalandra stigmaticollis*), *Enaphalodes rufulus*, *Epilachna* spp. such as *E. varivestis*, *E. vigintioctomaculata*; *Epitrix* spp. such as *E. hirtipennis*, *E. similis*; *Eutheola humilis*, *Eutinobothrus brasiliensis*, *Faustinus cubae*, *Gibbium psyllodes*, *Gnathocerus cornutus*, *Hellula undalis*, *Heteronychus arator*, *Hylamorphia elegans*, *Hylobius abietis*, *Hylotrupes bajulus*, *Hypera* spp. such as *H. brunneipennis*, *H. postica*; *Hypomeces squamosus*, *Hypothenemus* spp., *Ips typographus*, *Lachnosterna consanguinea*, *Lasioderma serricorne*, *Latheticus oryzae*, *Lathridius* spp., *Lema* spp. such as *L. bilineata*, *L. melanopus*;
- 25 *Leptinotarsa* spp. such as *L. decemlineata*; *Leptispa pygmaea*, *Limonius californicus*, *Lissorhoptrus oryzophilus*, *Lixus* spp., *Luperodes* spp., *Lyctus* spp. such as *L. bruneus*; *Liogenys fuscus*, *Macroductylus* spp. such as *M. subspinosus*; *Maladera matrida*, *Megaplatypus mutates*, *Megascelis* spp., *Melanotus communis*, *Meligethes* spp. such as *M. aeneus*;
- 30 *Melolontha* spp. such as *M. hippocastani*, *M. melolontha*; *Metamasius hemipterus*, *Microtheca* spp., *Migdolus* spp. such as *M. fryanus*, *Monochamus* spp. such as *M. alternatus*; *Naupactus xanthographus*, *Niptus hololeucus*, *Oberia brevis*, *Oemona hirta*, *Oryctes rhinoceros*, *Oryzaephilus surinamensis*, *Oryzaphagus oryzae*, *Otiorrhynchus sulcatus*, *Otiorrhynchus*
- 35 *ovatus*, *Otiorrhynchus sulcatus*, *Oulema melanopus*, *Oulema oryzae*, *Oxycetonia jucunda*, *Phaedon* spp. such as *P. brassicae*, *P. cochleariae*; *Phoracantha recurva*, *Phyllobius pyri*, *Phyllopertha horticola*, *Phyllophaga* spp. such as *P. helleri*; *Phyllotreta* spp. such as *P. chrysocephala*, *P. nemorum*, *P. striolata*, *P. vittula*; *Phyllopertha horticola*, *Popillia japonica*, *Premnotrypes* spp., *Psacothia hilaris*, *Psylliodes chrysocephala*, *Prostephanus truncates*,
- 40 *Psylliodes* spp., *Ptinus* spp., *Pulga saltona*, *Rhizopertha dominica*, *Rhynchophorus* spp. such as *R. billineatus*, *R. ferrugineus*, *R. palmarum*, *R. phoenicis*, *R. vulneratus*; *Saperda candida*, *Scolytus schevyrewi*, *Scyphophorus acupunctatus*, *Sitona lineatus*, *Sitophilus* spp. such as *S. granaria*, *S. oryzae*, *S. zeamais*; *Sphenophorus* spp. such as *S. levis*; *Stegobium paniceum*,

Sternechus spp. such as *S. subsignatus*; *Strophomorphus ctenotus*, *Symphyletes* spp., *Tanymecus* spp., *Tenebrio molitor*, *Tenebrioides mauretanicus*, *Tribolium* spp. such as *T. castaneum*; *Trogoderma* spp., *Tychius* spp., *Xylotrechus* spp. such as *X. pyrrhoderus*; and *Zabrus* spp. such as *Z. tenebrioides*;

- 5 insects from the order of **Diptera** e.g. *Aedes* spp. such as *A. aegypti*, *A. albopictus*, *A. vexans*; *Anastrepha ludens*, *Anopheles* spp. such as *A. albimanus*, *A. crucians*, *A. freeborni*, *A. gambiae*, *A. leucosphyrus*, *A. maculipennis*, *A. minimus*, *A. quadrimaculatus*, *A. sinensis*; *Bactrocera invadens*, *Bibio hortulanus*, *Calliphora erythrocephala*, *Calliphora vicina*, *Ceratitis capitata*, *Chrysomya* spp. such as *C. bezziana*, *C. hominivorax*, *C. macellaria*; *Chrysops*
- 10 *atlanticus*, *Chrysops discalis*, *Chrysops silacea*, *Cochliomyia* spp. such as *C. hominivorax*; *Contarinia* spp. such as *C. sorghicola*; *Cordylobia anthropophaga*, *Culex* spp. such as *C. nigripalpus*, *C. pipiens*, *C. quinquefasciatus*, *C. tarsalis*, *C. tritaeniorhynchus*; *Culicoides furens*, *Culiseta inornata*, *Culiseta melanura*, *Cuterebra* spp., *Dacus cucurbitae*, *Dacus oleae*, *Dasineura brassicae*, *Dasineura oxycoccana*, *Delia* spp. such as *D. antique*, *D. coarctata*, *D.*
- 15 *platura*, *D. radicum*; *Dermatobia hominis*, *Drosophila* spp. such as *D. suzukii*, *Fannia* spp. such as *F. canicularis*; *Gastrophilus* spp. such as *G. intestinalis*; *Geomyza tipunctata*, *Glossina* spp. such as *G. fuscipes*, *G. morsitans*, *G. palpalis*, *G. tachinoides*; *Haematobia irritans*, *Haplodiplosis equestris*, *Hippelates* spp., *Hylemyia* spp. such as *H. platura*; *Hypoderma* spp. such as *H. lineata*; *Hyppobosca* spp., *Hydrellia philippina*, *Leptoconops torrens*, *Liriomyza* spp.
- 20 such as *L. sativae*, *L. trifolii*; *Lucilia* spp. such as *L. caprina*, *L. cuprina*, *L. sericata*; *Lycoria pectoralis*, *Mansonina titillans*, *Mayetiola* spp. such as *M. destructor*; *Musca* spp. such as *M. autumnalis*, *M. domestica*; *Muscina stabulans*, *Oestrus* spp. such as *O. ovis*; *Opomyza florum*, *Oscinella* spp. such as *O. frit*; *Orseolia oryzae*, *Pegomya hysocyami*, *Phlebotomus argentipes*, *Phorbia* spp. such as *P. antiqua*, *P. brassicae*, *P. coarctata*; *Phytomyza gymnostoma*,
- 25 *Prosimulium mixtum*, *Psila rosae*, *Psorophora columbiae*, *Psorophora discolor*, *Rhagoletis* spp. such as *R. cerasi*, *R. cingulate*, *R. indifferens*, *R. mendax*, *R. pomonella*; *Rivellia quadrifasciata*, *Sarcophaga* spp. such as *S. haemorrhoidalis*; *Simulium vittatum*, *Sitodiplosis mosellana*, *Stomoxys* spp. such as *S. calcitrans*; *Tabanus* spp. such as *T. atratus*, *T. bovinus*, *T. lineola*, *T. similis*; *Tannia* spp., *Thecodiplosis japonensis*, *Tipula oleracea*, *Tipula paludosa*, and
- 30 *Wohlfahrtia* spp;

insects from the order of **Thysanoptera** for example, *Baliothrips bififormis*, *Dichromothrips corbetti*, *Dichromothrips* spp., *Echinothrips americanus*, *Enneothrips flavens*, *Frankliniella* spp. such as *F. fusca*, *F. occidentalis*, *F. tritici*; *Heliethrips* spp., *Hercinothrips femoralis*, *Kakothrips* spp., *Microcephalothrips abdominalis*, *Neohydatothrips samayunkur*, *Pezothrips kellyanus*,

- 35 *Rhipiphorotherips cruentatus*, *Scirtothrips* spp. such as *S. citri*, *S. dorsalis*, *S. perseae*; *Stenchaetothrips* spp, *Taeniothrips cardamoni*, *Taeniothrips inconsequens*, *Thrips* spp. such as *T. imagines*, *T. hawaiiensis*, *T. oryzae*, *T. palmi*, *T. parvispinus*, *T. tabaci*;
- 40 insects from the order of **Hemiptera** for example, *Acizzia jamatonica*, *Acrosternum* spp. such as *A. hilare*; *Acyrtosipon* spp. such as *A. onobrychis*, *A. pisum*; *Adelges laricis*, *Adelges tsugae*, *Adelphocoris* spp., such as *A. rapidus*, *A. superbus*; *Aeneolamia* spp., *Agonosцена* spp., *Aulacorthum solani*, *Aleurocanthus woglumi*, *Aleurodes* spp., *Aleurodicus disperses*, *Aleurolobus barodensis*, *Aleurothrixus* spp., *Amrasca* spp., *Anasa tristis*, *Antestiopsis* spp., *Anuraphis cardui*, *Aonidiella* spp., *Aphanostigma piri*, *Aphidula nasturtii*, *Aphis* spp. such as *A.*

- craccivora*, *A. fabae*, *A. forbesi*, *A. gossypii*, *A. grossulariae*, *A. maidiradicis*, *A. pomi*, *A. sambuci*, *A. schneideri*, *A. spiraecola*; *Arboridia apicalis*, *Arilus critatus*, *Aspidiella* spp., *Aspidiotus* spp., *Atanus* spp., *Aulacaspis yasumatsui*, *Aulacorthum solani*, *Bactericera cockerelli* (*Paratrioza cockerelli*), *Bemisia* spp. such as *B. argentifolii*, *B. tabaci* (*Aleurodes tabaci*); *Blissus* spp. such as *B. leucopterus*; *Brachycaudus* spp. such as *B. cardui*, *B. helichrysi*, *B. persicae*, *B. prunicola*; *Brachycolus* spp., *Brachycorynella asparagi*, *Brevicoryne brassicae*, *Cacopsylla* spp. such as *C. fulguralis*, *C. pyricola* (*Psylla piri*); *Calligypona marginata*, *Calocoris* spp., *Campylomma livida*, *Capitophorus horni*, *Carneocephala fulgida*, *Cavelerius* spp., *Ceraplastes* spp., *Ceratovacuna lanigera*, *Ceroplastes ceriferus*, *Cerosipha gossypii*, *Chaetosiphon*
- 10 *fragaefolii*, *Chionaspis tegalensis*, *Chlorita onukii*, *Chromaphis juglandicola*, *Chrysomphalus ficus*, *Cicadulina mbila*, *Cimex* spp. such as *C. hemipterus*, *C. lectularius*; *Coccoxylus halli*, *Coccus* spp. such as *C. hesperidum*, *C. pseudomagnoliarum*, *Corythucha arcuata*, *Creontiades dilutus*, *Cryptomyzus ribis*, *Chrysomphalus aonidum*, *Cryptomyzus ribis*, *Ctenarytaina spatulata*, *Cyrtopeltis notatus*, *Dalbulus* spp., *Dasynus piperis*, *Dialeurodes* spp. such as *D. citrifolii*;
- 15 *Dalbulus maidis*, *Diaphorina* spp. such as *D. citri*; *Diaspis* spp. such as *D. bromeliae*; *Dichelops furcatus*, *Diconocoris hewetti*, *Doralis* spp., *Dreyfusia nordmannianae*, *Dreyfusia piceae*, *Drosicha* spp., *Dysaphis* spp. such as *D. plantaginea*, *D. pyri*, *D. radicola*; *Dysaulacorthum pseudosolani*, *Dysdercus* spp. such as *D. cingulatus*, *D. intermedius*; *Dysmicoccus* spp., *Edessa* spp., *Geocoris* spp., *Empoasca* spp. such as *E. fabae*, *E. solana*; *Epidiaspis leperii*,
- 20 *Eriosoma* spp. such as *E. lanigerum*, *E. pyricola*; *Erythroneura* spp., *Eurygaster* spp. such as *E. integriceps*; *Euscelis bilobatus*, *Euschistus* spp. such as *E. heros*, *E. impictiventris*, *E. servus*; *Fiorinia theae*, *Geococcus coffeae*, *Glycaspis brimblecombei*, *Halyomorpha* spp. such as *H. halys*; *Heliopeltis* spp., *Homalodisca vitripennis* (= *H. coagulata*), *Horcias nobilellus*, *Hyalopterus pruni*, *Hyperomyzus lactucae*, *Icerya* spp. such as *I. purchase*; *Idiocerus* spp., *Idioscopus* spp.,
- 25 *Laodelphax striatellus*, *Lecanium* spp., *Lecanoides floccissimus*, *Lepidosaphes* spp. such as *L. ulmi*; *Leptocoris* spp., *Leptoglossus phyllopus*, *Lipaphis erysimi*, *Lygus* spp. such as *L. hesperus*, *L. lineolaris*, *L. pratensis*; *Maconellicoccus hirsutus*, *Marchalina hellenica*, *Macropes excavatus*, *Macrosiphum* spp. such as *M. rosae*, *M. avenae*, *M. euphorbiae*; *Macrosteles quadrilineatus*, *Mahanarva fimbriolata*, *Megacopta cribraria*, *Megoura viciae*, *Melanaphis pyraeae*, *Melanaphis sacchari*, *Melanocallis* (= *Tinocallis*) *caryaefoliae*, *Metcalfeella* spp.,
- 30 *Metopolophium dirhodum*, *Monellia costalis*, *Monelliopsis pecanis*, *Myzocallis coryli*, *Murgantia* spp., *Myzus* spp. such as *M. ascalonicus*, *M. cerasi*, *M. nicotianae*, *M. persicae*, *M. varians*; *Nasonovia ribis-nigri*, *Neotoxoptera formosana*, *Neomegalotomus* spp., *Nephotettix* spp. such as *N. malayanus*, *N. nigropictus*, *N. parvus*, *N. virescens*; *Nezara* spp. such as *N. viridula*;
- 35 *Nilaparvata lugens*, *Nysius huttoni*, *Oebalus* spp. such as *O. pugnax*; *Oncometopia* spp., *Orthezia praelonga*, *Oxycaraenus hyalinipennis*, *Parabemisia myricae*, *Parlatoria* spp., *Parthenolecanium* spp. such as *P. corni*, *P. persicae*; *Pemphigus* spp. such as *P. bursarius*, *P. populivenerae*; *Peregrinus maidis*, *Perkinsiella saccharicida*, *Phenacoccus* spp. such as *P. aceris*, *P. gossypii*; *Phloeomyzus passerinii*, *Phorodon humuli*, *Phylloxera* spp. such as *P. devastatrix*,
- 40 *Piesma quadrata*, *Piezodorus* spp. such as *P. guildinii*; *Pinnaspis aspidistrae*, *Planococcus* spp. such as *P. citri*, *P. ficus*; *Prosapia bicincta*, *Protopulvinaria pyriformis*, *Psallus seriatus*, *Pseudacysta perseae*, *Pseudaulacaspis pentagona*, *Pseudococcus* spp. such as *P. comstocki*; *Psylla* spp. such as *P. mali*; *Pteromalus* spp., *Pulvinaria amygdali*, *Pyrilla* spp., *Quadraspidotus*

spp., such as *Q. perniciosus*; *Quesada gigas*, *Rastrococcus* spp., *Reduvius senilis*, *Rhizoeus americanus*, *Rhodnius* spp., *Rhopalomyzus ascalonicus*, *Rhopalosiphum* spp. such as *R. pseudobrassicae*, *R. insertum*, *R. maidis*, *R. padi*; *Sagatodes* spp., *Sahlbergella singularis*, *Saissetia* spp., *Sappaphis mala*, *Sappaphis mali*, *Scaptocoris* spp., *Scaphoides titanus*,
 5 *Schizaphis graminum*, *Schizoneura lanuginosa*, *Scotinophora* spp., *Selenaspidus articulatus*, *Sitobion avenae*, *Sogata* spp., *Sogatella furcifera*, *Solubea insularis*, *Spissistilus festinus* (= *Stictocephala festina*), *Stephanitis nashi*, *Stephanitis pyrioides*, *Stephanitis takeyai*, *Tenalaphara malayensis*, *Tetraleurodes perseae*, *Therioaphis maculate*, *Thyanta* spp. such as *T. accerra*, *T. perditor*; *Tibraca* spp., *Tomaspis* spp., *Toxoptera* spp. such as *T. aurantii*;
 10 *Trialeurodes* spp. such as *T. abutilonea*, *T. ricini*, *T. vaporariorum*; *Triatoma* spp., *Trioza* spp., *Typhlocyba* spp., *Unaspis* spp. such as *U. citri*, *U. yanonensis*; and *Viteus vitifolii*,

Insects from the order **Hymenoptera** for example *Acanthomyops interjectus*, *Athalia rosae*, *Atta* spp. such as *A. capiguara*, *A. cephalotes*, *A. cephalotes*, *A. laevigata*, *A. robusta*, *A. sex-dens*, *A. texana*, *Bombus* spp., *Brachymyrmex* spp., *Camponotus* spp. such as *C. floridanus*, *C.*
 15 *pennsylvanicus*, *C. modoc*; *Cardiocondyla nuda*, *Chalibion* sp, *Crematogaster* spp., *Dasymutilla occidentalis*, *Diprion* spp., *Dolichovespula maculata*, *Dorymyrmex* spp., *Dryocosmus kuriphilus*, *Formica* spp., *Hoplocampa* spp. such as *H. minuta*, *H. testudinea*; *Iridomyrmex humilis*, *Lasius* spp. such as *L. niger*, *Linepithema humile*, *Liometopum* spp., *Leptocybe invasa*, *Monomorium* spp. such as *M. pharaonis*, *Monomorium*, *Nylandria fulva*, *Pachycondyla chinensis*,
 20 *Paratrechina longicornis*, *Paravespula* spp., such as *P. germanica*, *P. pennsylvanica*, *P. vulgaris*; *Pheidole* spp. such as *P. megacephala*; *Pogonomyrmex* spp. such as *P. barbatus*, *P. californicus*, *Polistes rubiginosa*, *Prenolepis imparis*, *Pseudomyrmex gracilis*, *Schelipron* spp., *Sirex cyaneus*, *Solenopsis* spp. such as *S. geminata*, *S. invicta*, *S. molesta*, *S. richteri*, *S. xyloni*, *Sphecius speciosus*, *Sphex* spp., *Tapinoma* spp. such as *T. melanocephalum*, *T. sessile*;
 25 *Tetramorium* spp. such as *T. caespitum*, *T. bicarinatum*, *Vespa* spp. such as *V. crabro*; *Vespula* spp. such as *V. squamosa*; *Wasmannia auropunctata*, *Xylocopa* sp;

Insects from the order **Orthoptera** for example *Acheta domesticus*, *Calliptamus italicus*, *Chortoicetes terminifera*, *Ceuthophilus* spp., *Diastrammena asynamora*, *Dociostaurus maroccanus*, *Gryllotalpa* spp. such as *G. africana*, *G. gryllotalpa*; *Gryllus* spp., *Hieroglyphus*
 30 *daganensis*, *Kraussaria angulifera*, *Locusta* spp. such as *L. migratoria*, *L. pardalina*; *Melanoplus* spp. such as *M. bivittatus*, *M. femurrubrum*, *M. mexicanus*, *M. sanguinipes*, *M. spretus*; *Nomadacris septemfasciata*, *Oedaleus senegalensis*, *Scapteriscus* spp., *Schistocerca* spp. such as *S. americana*, *S. gregaria*, *Stenopelmatus* spp., *Tachycines asynamorus*, and *Zonozerus variegatus*;

Pests from the Class **Arachnida** for example **Acari**, e.g. of the families Argasidae, Ixodidae and Sarcoptidae, such as *Amblyomma* spp. (e.g. *A. americanum*, *A. variegatum*, *A. maculatum*),
 35 *Argas* spp. such as *A. persicu*), *Boophilus* spp. such as *B. annulatus*, *B. decoloratus*, *B. microplus*, *Dermacentor* spp. such as *D. silvarum*, *D. andersoni*, *D. variabilis*, *Hyalomma* spp. such as *H. truncatum*, *Ixodes* spp. such as *I. ricinus*, *I. rubicundus*, *I. scapularis*, *I. holocyclus*, *I. pacificus*, *Rhipicephalus sanguineus*, *Ornithodoros* spp. such as *O. moubata*, *O. hermsi*, *O. turicata*, *Ornithonyssus bacoti*, *Otobius megnini*, *Dermanyssus gallinae*, *Psoroptes* spp. such as *P. ovis*, *Rhipicephalus* spp. such as *R. sanguineus*, *R. appendiculatus*, *Rhipicephalus evertsi*, *Rhizoglyphus* spp., *Sarcoptes* spp. such as *S. Scabiei*, and Family **Eriophyidae** including *Aceria*

spp. such as *A. sheldoni*, *A. anthocoptes*, *Acallitus* spp., *Aculops* spp. such as *A. lycopersici*, *A. pelekassi*, *Aculus* spp. such as *A. schlehtendali*; *Colomerus vitis*, *Epitrimerus pyri*, *Phyllocoptruta oleivora*; *Eriophyes ribis* and *Eriophyes* spp. such as *Eriophyes sheldoni*, Family **Tarsonemidae** including *Hemitarsonemus* spp., *Phytonemus pallidus* and

- 5 *Polyphagotarsonemus latus*, *Stenotarsonemus* spp. *Steneotarsonemus spinki*, Family **Tenuipalpidae** including *Brevipalpus* spp. such as *B. phoenicis*; Family **Tetranychidae** including *Eotetranychus* spp., *Eutetranychus* spp., *Oligonychus* spp., *Petrobia latens*, *Tetranychus* spp. such as *T. cinnabarinus*, *T. evansi*, *T. kanzawai*, *T. pacificus*, *T. phaseolus*, *T. telarius* and *T. urticae*, *Bryobia praetiosa*, *Panonychus* spp. such as *P. ulmi*, *P. citri*, *Metatetranychus* spp. and
- 10 *Oligonychus* spp. such as *O. pratensis*, *O. perseae*, *Vasates lycopersici*, *Raoiella indica*, Family **Carpoglyphidae** including *Carpoglyphus* spp.; *Penthaleidae* spp. such as *Halotydeus destructor*; Family **Demodicidae** with species such as *Demodex* spp.; Family **Trombicidae** including *Trombicula* spp.; Family **Macronyssidae** including *Ornithonyssus* spp.; Family **Pyemotidae** including *Pyemotes tritici*, *Tyrophagus putrescentiae*; Family **Acaridae** including *Acarus siro*,
- 15 Family **Araneida** including *Latrodectus mactans*, *Tegenaria agrestis*, *Chiracanthium sp*, *Lycosa sp* *Achaearanea tepidariorum* and *Loxosceles reclusa*;

- Pests from the Phylum **Nematoda**, for example, plant parasitic nematodes such as root-knot nematodes, *Meloidogyne* spp. such as *M. hapla*, *M. incognita*, *M. javanica*; cyst-forming nematodes, *Globodera* spp. such as *G. rostochiensis*; *Heterodera* spp. such as *H. avenae*, *H. glycines*, *H. schachtii*, *H. trifolii*; Seed gall nematodes, *Anguina* spp.; Stem and foliar nematodes, *Aphelenchoides* spp. such as *A. besseyi*; Sting nematodes, *Belonolaimus* spp. such as *B. longicaudatus*; Pine nematodes, *Bursaphelenchus* spp. such as *B. lignicolus*, *B. xylophilus*; Ring nematodes, *Criconema* spp., *Criconemella* spp. such as *C. xenoplax* and *C. ornata*; and, *Criconemoides* spp. such as *Criconemoides informis*; *Mesocriconema* spp.; Stem
- 20 and bulb nematodes, *Ditylenchus* spp. such as *D. destructor*, *D. dipsaci*; Awl nematodes, *Dolichodorus* spp.; Spiral nematodes, *Heliocotylenchus multicinctus*; Sheath and sheathoid nematodes, *Hemicycliophora* spp. and *Hemicriconemoides* spp.; *Hirshmanniella* spp.; Lance nematodes, *Hoploaimus* spp.; False rootknot nematodes, *Nacobbus* spp.; Needle nematodes, *Longidorus* spp. such as *L. elongatus*; Lesion nematodes, *Pratylenchus* spp. such as *P. brachyurus*, *P. neglectus*, *P. penetrans*, *P. curvatus*, *P. goodeyi*; Burrowing nematodes, *Radopholus* spp. such as *R. similis*; *Rhadopholus* spp.; *Rhodopholus* spp.; Reniform nematodes, *Rotylenchus* spp. such as *R. robustus*, *R. reniformis*; *Scutellonema* spp.; Stubby-root nematode, *Trichodorus* spp. such as *T. obtusus*, *T. primitivus*; *Paratrichodorus* spp. such as *P. minor*; Stunt nematodes, *Tylenchorhynchus* spp. such as *T. claytoni*, *T. dubius*; Citrus
- 30 nematodes, *Tylenchulus* spp. such as *T. semipenetrans*; Dagger nematodes, *Xiphinema* spp.; and other plant parasitic nematode species;

- Insects from the order **Isoptera** for example *Calotermes flavicollis*, *Coptotermes* spp. such as *C. formosanus*, *C. gestroi*, *C. acinaciformis*; *Cornitermes cumulans*, *Cryptotermes* spp. such as *C. brevis*, *C. cavifrons*; *Globitermes sulfureus*, *Heterotermes* spp. such as *H. aureus*, *H. longiceps*, *H. tenuis*; *Leucotermes flavipes*, *Odontotermes* spp., *Incisitermes* spp. such as *I. minor*, *I. Snyder*, *Marginitermes hubbardi*, *Mastotermes* spp. such as *M. darwiniensis* *Neocapritermes* spp. such as *N. opacus*, *N. parvus*; *Neotermes* spp., *Procornitermes* spp., *Zootermopsis* spp. such as *Z. angusticollis*, *Z. nevadensis*, *Reticulitermes* spp. such as *R.*
- 40

hesperus, *R. tibialis*, *R. speratus*, *R. flavipes*, *R. grassei*, *R. lucifugus*, *R. santonensis*, *R. virginicus*; *Termes natalensis*,

Insects from the order **Blattaria** for example *Blatta* spp. such as *B. orientalis*, *B. lateralis*;

Blattella spp. such as *B. asahinae*, *B. germanica*; *Leucophaea maderae*, *Panchlora nivea*,

- 5 *Periplaneta* spp. such as *P. americana*, *P. australasiae*, *P. brunnea*, *P. fuliginosa*, *P. japonica*;
Supella longipalpa, *Parcoblatta pennsylvanica*, *Eurycotis floridana*, *Pycnoscelus surinamensis*,

Insects from the order **Siphonoptera** for example *Cediopsylla simplex*, *Ceratophyllus* spp.,

Ctenocephalides spp. such as *C. felis*, *C. canis*, *Xenopsylla cheopis*, *Pulex irritans*,

Trichodectes canis, *Tunga penetrans*, and *Nosopsyllus fasciatus*,

- 10 Insects from the order **Thysanura** for example *Lepisma saccharina*, *Ctenolepisma urbana*,
and *Thermobia domestica*,

Pests from the class **Chilopoda** for example *Geophilus* spp., *Scutigera* spp. such as *Scutigera coleoptrata*,

Pests from the class **Diplopoda** for example *Blaniulus guttulatus*, *Julus* spp., *Narceus* spp.,

- 15 Pests from the class **Symphyla** for example *Scutigera* spp. such as *Scutigera* spp.,

Insects from the order **Dermaptera**, for example *Forficula auricularia*,

Insects from the order **Collembola**, for example *Onychiurus* spp., such as *Onychiurus armatus*,

Pests from the order **Isopoda** for example, *Armadillidium vulgare*, *Oniscus asellus*, *Porcellio scaber*,

- 20 Insects from the order **Phthiraptera**, for example *Damalinia* spp., *Pediculus* spp. such as
Pediculus humanus capitis, *Pediculus humanus corporis*, *Pediculus humanus humanus*; *Pthirus pubis*,
Haematopinus spp. such as *Haematopinus eurysternus*, *Haematopinus suis*,
Linognathus spp. such as *Linognathus vituli*; *Bovicola bovis*, *Menopon gallinae*, *Menacanthus stramineus* and
Solenopotes capillatus, *Trichodectes* spp.,

- 25 Examples of further pest species which may be controlled by compounds of formula (I) include:
from the Phylum **Mollusca**, class **Bivalvia**, for example, *Dreissena* spp.; class **Gastropoda**, for
example, *Arion* spp., *Biomphalaria* spp., *Bulinus* spp., *Deroceras* spp., *Galba* spp., *Lymnaea*
spp., *Oncomelania* spp., *Pomacea canaliculata*, *Succinea* spp.; from the class of the **helminths**,
for example, *Ancylostoma duodenale*, *Ancylostoma ceylanicum*, *Ancylostoma braziliensis*,

- 30 *Ancylostoma* spp., *Ascaris lubricoides*, *Ascaris* spp., *Brugia malayi*, *Brugia timori*, *Bunostomum*
spp., *Chabertia* spp., *Clonorchis* spp., *Cooperia* spp., *Dicrocoelium* spp., *Dictyocaulus filaria*,
Diphyllbothrium latum, *Dracunculus medinensis*, *Echinococcus granulosus*, *Echinococcus multilocularis*,
Enterobius vermicularis, *Faciola* spp., *Haemonchus* spp. such as *Haemonchus contortus*;
Heterakis spp., *Hymenolepis nana*, *Hyostrongylus* spp., *Loa Loa*, *Nematodirus* spp.,

- 35 *Oesophagostomum* spp., *Opisthorchis* spp., *Onchocerca volvulus*, *Ostertagia* spp.,
Paragonimus spp., *Schistosoma* spp., *Strongyloides fuelleborni*, *Strongyloides stercoralis*,
Strongyloides spp., *Taenia saginata*, *Taenia solium*, *Trichinella spiralis*, *Trichinella nativa*,
Trichinella britovi, *Trichinella nelsoni*, *Trichinella pseudopsiralis*, *Trichostrongylus* spp., *Trichuris trichuria*,
Wuchereria bancrofti.

40

Animal health

The compounds and/or mixtures or compositions of the invention are suitable for use in treating or protecting animals against infestation or infection by parasites. Therefore, the

invention also relates to the use of a compound of the invention for the manufacture of a medicament for the treatment or protection of animals against infestation or infection by parasites. Furthermore, the invention relates to a method of treating or protecting animals against infestation and infection by parasites, which comprises orally, topically or parenterally administering or applying to the animals a parasitically effective amount of a compound of the invention.

The present invention also relates to the non-therapeutic use of compounds and/or mixtures or compositions of the invention for treating or protecting animals against infestation and infection by parasites. Moreover, the invention relates to a non-therapeutic method of treating or protecting animals against infestation and infection by parasites, which comprises applying to a locus a parasitically effective amount of a compound of the invention.

The compounds and/or mixtures or compositions of the invention are further suitable for use in combating or controlling parasites in and on animals. Furthermore, the invention relates to a method of combating or controlling parasites in and on animals, which comprises contacting the parasites with a parasitically effective amount of a compound of the invention.

The invention also relates to the non-therapeutic use of compounds and/or mixtures or compositions of the invention for controlling or combating parasites. Moreover, the invention relates to a non-therapeutic method of combating or controlling parasites, which comprises applying to a locus a parasitically effective amount of a compound of the invention.

The compounds and/or mixtures or compositions of the invention can be effective through both contact (via soil, glass, wall, bed net, carpet, blankets or animal parts) and ingestion (e.g. baits). Furthermore, the compounds and/or mixtures or compositions of the invention can be applied to any and all developmental stages.

The compounds and/or mixtures of the invention can be applied as such or in form of compositions comprising them.

The compounds and/or mixtures or compositions of the invention can also be applied together with a mixing partner, which acts against pathogenic parasites, e.g. with synthetic coccidiosis compounds, polyetherantibiotics such as Amprolium, Robenidin, Toltrazuril, Monensin, Salinomycin, Maduramicin, Lasalocid, Narasin or Semduramicin, or with other mixing partners as defined above, or in form of compositions comprising said mixtures.

The compounds and/or mixtures or compositions of the invention and compositions comprising them can be applied orally, parenterally or topically, e.g. dermally. The compounds and/or mixtures or compositions of the invention can be systemically or non-systemically effective.

The application can be carried out prophylactically, therapeutically or non-therapeutically. Furthermore, the application can be carried out preventively to places at which occurrence of the parasites is expected.

As used herein, the term "contacting" includes both direct contact (applying the compounds/compositions directly on the parasite, including the application directly on the animal or excluding the application directly on the animal, e.g. at its locus for the latter) and indirect contact (applying the compounds/compositions to the locus of the parasite). The contact of the parasite through application to its locus is an example of a non-therapeutic use of the compounds and/or mixtures or compositions of the invention.

The term "locus" means the habitat, food supply, breeding ground, area, material or environment in which a parasite is growing or may grow outside of the animal.

As used herein, the term "parasites" includes endo- and ectoparasites. In some embodiments of the invention, endoparasites can be preferred. In other embodiments, ectoparasites can be preferred. Infestations in warm-blooded animals and fish include, but are not limited to, lice, biting lice, ticks, nasal bots, keds, biting flies, muscoid flies, flies, myiasitic fly larvae, chiggers, gnats, mosquitoes and fleas.

The compounds and/or mixtures or compositions of the invention are especially useful for combating parasites of the following orders and species, respectively:

- 10 **fleas (Siphonaptera)**, e.g. *Ctenocephalides felis*, *Ctenocephalides canis*, *Xenopsylla cheopis*, *Pulex irritans*, *Tunga penetrans*, and *Nosopsyllus fasciatus*; **cockroaches (Blattaria - Blattodea)**, e.g. *Blattella germanica*, *Blattella asahinae*, *Periplaneta americana*, *Periplaneta japonica*, *Periplaneta brunnea*, *Periplaneta fuliginosa*, *Periplaneta australasiae*, and *Blatta orientalis*;
- 15 **flies, mosquitoes (Diptera)**, e.g. *Aedes aegypti*, *Aedes albopictus*, *Aedes vexans*, *Anastrepha ludens*, *Anopheles maculipennis*, *Anopheles crucians*, *Anopheles albimanus*, *Anopheles gambiae*, *Anopheles freeborni*, *Anopheles leucosphyrus*, *Anopheles minimus*, *Anopheles quadrimaculatus*, *Calliphora vicina*, *Chrysomya bezziana*, *Chrysomya hominivorax*, *Chrysomya macellaria*, *Chrysops discalis*, *Chrysops silacea*, *Chrysops atlanticus*, *Cochliomyia hominivorax*, *Cordylobia anthropophaga*, *Culicoides furens*, *Culex pipiens*, *Culex nigripalpus*, *Culex*
- 20 *quinquefasciatus*, *Culex tarsalis*, *Culiseta inornata*, *Culiseta melanura*, *Dermatobia hominis*, *Fannia canicularis*, *Gasterophilus intestinalis*, *Glossina morsitans*, *Glossina palpalis*, *Glossina fuscipes*, *Glossina tachinoides*, *Haematobia irritans*, *Haplodiplosis equestris*, *Hippelates spp.*, *Hypoderma lineata*, *Leptoconops torrens*, *Lucilia caprina*, *Lucilia cuprina*, *Lucilia sericata*, *Lycoria pectoralis*, *Mansonia spp.*, *Musca domestica*, *Muscina stabulans*, *Oestrus ovis*,
- 25 *Phlebotomus argentipes*, *Psorophora columbiae*, *Psorophora discolor*, *Prosimulium mixtum*, *Sarcophaga haemorrhoidalis*, *Sarcophaga sp.*, *Simulium vittatum*, *Stomoxys calcitrans*, *Tabanus bovinus*, *Tabanus atratus*, *Tabanus lineola*, and *Tabanus similis*; **lice (Phthiraptera)**, e.g. *Pediculus humanus capitis*, *Pediculus humanus corporis*, *Pthirus pubis*, *Haematopinus eurysternus*, *Haematopinus suis*, *Linognathus vituli*, *Bovicola bovis*, *Menopon gallinae*,
- 30 *Menacanthus stramineus* and *Solenopotes capillatus*; **ticks and parasitic mites (Parasitiformes): ticks (Ixodida)**, e.g. *Ixodes scapularis*, *Ixodes holocyclus*, *Ixodes pacificus*, *Rhipicephalus sanguineus*, *Dermacentor andersoni*, *Dermacentor variabilis*, *Amblyomma americanum*, *Amblyomma maculatum*, *Ornithodoros hermsi*, *Ornithodoros turicata* and **parasitic mites (Mesostigmata)**, e.g. *Ornithonyssus bacoti* and *Dermanyssus gallinae*; **Actiniedida (Prostigmata)**
- 35 **und Acaridida (Astigmata)**, e.g. *Acarapis spp.*, *Cheyletiella spp.*, *Ornithocheyletia spp.*, *Myobia spp.*, *Psorergates spp.*, *Demodex spp.*, *Trombicula spp.*, *Listrophorus spp.*, *Acarus spp.*, *Tyrophagus spp.*, *Caloglyphus spp.*, *Hypodectes spp.*, *Pterolichus spp.*, *Psoroptes spp.*, *Chorioptes spp.*, *Otodectes spp.*, *Sarcoptes spp.*, *Notoedres spp.*, *Knemidocoptes spp.*, *Cytodites spp.*, and *Laminosioptes spp.*; **Bugs (Heteropterida)**: *Cimex lectularius*, *Cimex hemipterus*, *Reduvius senilis*, *Triatoma spp.*, *Rhodnius ssp.*, *Panstrongylus ssp.*, and *Arilus critatus*; **Anoplurida**, e.g. *Haematopinus spp.*, *Linognathus spp.*, *Pediculus spp.*, *Pthirus spp.*, and *Solenopotes spp.*; **Mallophagida (suborders Amblycerina and Ischnocerina)**, e.g. *Trimenopon spp.*, *Menopon spp.*, *Trinoton spp.*, *Bovicola spp.*, *Werneckiella spp.*, *Lepikentron*

spp., *Trichodectes spp.*, and *Felicola spp.*; **Roundworms Nematoda: Wipeworms and Trichinosis (Trichosyringida)**, e.g. *Trichinellidae (Trichinella spp.)*, (*Trichuridae*) *Trichuris spp.*, *Capillaria spp.*; **Rhabditida**, e.g. *Rhabditis spp.*, *Strongyloides spp.*, *Helicephalobus spp.*; **Strongylida**, e.g. *Strongylus spp.*, *Ancylostoma spp.*, *Necator americanus*, *Bunostomum spp.* (Hookworm), *Trichostrongylus spp.*, *Haemonchus contortus*, *Ostertagia spp.*, *Cooperia spp.*, *Nematodirus spp.*, *Dictyocaulus spp.*, *Cyathostoma spp.*, *Oesophagostomum spp.*, *Stephanurus dentatus*, *Ollulanus spp.*, *Chabertia spp.*, *Stephanurus dentatus*, *Syngamus trachea*, *Ancylostoma spp.*, *Uncinaria spp.*, *Globocephalus spp.*, *Necator spp.*, *Metastrongylus spp.*, *Muellerius capillaris*, *Protostrongylus spp.*, *Angiostrongylus spp.*, *Parelaphostrongylus spp.*, *Aleurostrongylus abstrusus*, and *Dioctophyma renale*; **Intestinal roundworms (Ascaridida)**, e.g. *Ascaris lumbricoides*, *Ascaris suum*, *Ascaridia galli*, *Parascaris equorum*, *Enterobius vermicularis* (Threadworm), *Toxocara canis*, *Toxascaris leonine*, *Skrjabinema spp.*, and *Oxyuris equi*; **Camallanida**, e.g. *Dracunculus medinensis* (guinea worm); **Spirurida**, e.g. *Thelazia spp.*, *Wuchereria spp.*, *Brugia spp.*, *Onchocerca spp.*, *Dirofilari spp.a*, *Dipetalonema spp.*, *Setaria spp.*, *Elaeophora spp.*, *Spirocerca lupi*, and *Habronema spp.*; **Thorny headed worms (Acanthocephala)**, e.g. *Acanthocephalus spp.*, *Macracanthorhynchus hirudinaceus* and *Oncicola spp.*; **Planarians (Plathelminthes): Flukes (Trematoda)**, e.g. *Faciola spp.*, *Fascioloides magna*, *Paragonimus spp.*, *Dicrocoelium spp.*, *Fasciolopsis buski*, *Clonorchis sinensis*, *Schistosoma spp.*, *Trichobilharzia spp.*, *Alaria alata*, *Paragonimus spp.*, and *Nanocyetes spp.*; **Cercomeromorpha**, in particular **Cestoda (Tapeworms)**, e.g. *Diphyllobothrium spp.*, *Tenia spp.*, *Echinococcus spp.*, *Dipylidium caninum*, *Multiceps spp.*, *Hymenolepis spp.*, *Mesocestoides spp.*, *Vampirolepis spp.*, *Moniezia spp.*, *Anoplocephala spp.*, *Sirometra spp.*, *Anoplocephala spp.*, and *Hymenolepis spp.*.

As used herein, the term "animal" includes warm-blooded animals (including humans) and fish. Preferred are mammals, such as cattle, sheep, swine, camels, deer, horses, pigs, poultry, rabbits, goats, dogs and cats, water buffalo, donkeys, fallow deer and reindeer, and also in fur-bearing animals such as mink, chinchilla and raccoon, birds such as hens, geese, turkeys and ducks and fish such as fresh- and salt-water fish such as trout, carp and eels. Particularly preferred are domestic animals, such as dogs or cats.

In general, "parasitically effective amount" means the amount of active ingredient needed to achieve an observable effect on growth, including the effects of necrosis, death, retardation, prevention, and removal, destruction, or otherwise diminishing the occurrence and activity of the target organism. The parasitically effective amount can vary for the various compounds/compositions used in the invention. A parasitically effective amount of the compositions will also vary according to the prevailing conditions such as desired parasitidal effect and duration, target species, mode of application, and the like.

Generally, it is favorable to apply the compounds and/or mixtures or compositions of the invention in total amounts of 0.5 mg/kg to 100 mg/kg per day, preferably 1 mg/kg to 50 mg/kg per day.

For oral administration to warm-blooded animals, the formula I compounds may be formulated as animal feeds, animal feed premixes, animal feed concentrates, pills, solutions, pastes, suspensions, drenches, gels, tablets, boluses and capsules. In addition, the formula I compounds may be administered to the animals in their drinking water. For oral administration,

the dosage form chosen should provide the animal with 0.01 mg/kg to 100 mg/kg of animal body weight per day of the formula I compound, preferably with 0.5 mg/kg to 100 mg/kg of animal body weight per day.

Alternatively, the formula I compounds may be administered to animals parenterally, for example, by intraruminal, intramuscular, intravenous or subcutaneous injection. The formula I compounds may be dispersed or dissolved in a physiologically acceptable carrier for subcutaneous injection. Alternatively, the formula I compounds may be formulated into an implant for subcutaneous administration. In addition the formula I compound may be transdermally administered to animals. For parenteral administration, the dosage form chosen should provide the animal with 0.01 mg/kg to 100 mg/kg of animal body weight per day of the formula I compound.

The formula I compounds may also be applied topically to the animals in the form of dips, dusts, powders, collars, medallions, sprays, shampoos, spot-on and pour-on formulations and in ointments or oil-in-water or water-in-oil emulsions. For topical application, dips and sprays usually contain 0.5 ppm to 5,000 ppm and preferably 1 ppm to 3,000 ppm of the formula I compound. In addition, the formula I compounds may be formulated as ear tags for animals, particularly quadrupeds such as cattle and sheep.

Suitable preparations are:

- Solutions such as oral solutions, concentrates for oral administration after dilution, solutions for use on the skin or in body cavities, pouring-on formulations, gels;
- Emulsions and suspensions for oral or dermal administration; semi-solid preparations;
- Formulations in which the active compound is processed in an ointment base or in an oil-in-water or water-in-oil emulsion base;
- Solid preparations such as powders, premixes or concentrates, granules, pellets, tablets, boluses, capsules; aerosols and inhalants, and active compound-containing shaped articles.

Compositions suitable for injection are prepared by dissolving the active ingredient in a suitable solvent and optionally adding further auxiliaries such as acids, bases, buffer salts, preservatives, and solubilizers. Suitable auxiliaries for injection solutions are known in the art. The solutions are filtered and filled sterile.

Oral solutions are administered directly. Concentrates are administered orally after prior dilution to the use concentration. Oral solutions and concentrates are prepared according to the state of the art and as described above for injection solutions, sterile procedures not being necessary.

Solutions for use on the skin are trickled on, spread on, rubbed in, sprinkled on or sprayed on. Solutions for use on the skin are prepared according to the state of the art and according to what is described above for injection solutions, sterile procedures not being necessary.

Gels are applied to or spread on the skin or introduced into body cavities. Gels are prepared by treating solutions which have been prepared as described in the case of the injection solutions with sufficient thickener that a clear material having an ointment-like consistency results. Suitable thickeners are known in the art.

Pour-on formulations are poured or sprayed onto limited areas of the skin, the active compound penetrating the skin and acting systemically. Pour-on formulations are prepared by dissolving, suspending or emulsifying the active compound in suitable skin-compatible solvents

or solvent mixtures. If appropriate, other auxiliaries such as colorants, bioabsorption-promoting substances, antioxidants, light stabilizers, adhesives are added. Suitable such auxiliaries are known in the art.

Emulsions can be administered orally, dermally or as injections. Emulsions are either of the water-in-oil type or of the oil-in-water type. They are prepared by dissolving the active compound either in the hydrophobic or in the hydrophilic phase and homogenizing this with the solvent of the other phase with the aid of suitable emulsifiers and, if appropriate, other auxiliaries such as colorants, absorption-promoting substances, preservatives, antioxidants, light stabilizers, viscosity-enhancing substances. Suitable hydrophobic phases (oils), suitable hydrophilic phases, suitable emulsifiers, and suitable further auxiliaries for emulsions are known in the art.

Suspensions can be administered orally or topically/dermally. They are prepared by suspending the active compound in a suspending agent, if appropriate with addition of other auxiliaries such as wetting agents, colorants, bioabsorption-promoting substances, preservatives, antioxidants, light stabilizers. Suitable suspending agents, and suitable other auxiliaries for suspensions including wetting agents are known in the art.

Semi-solid preparations can be administered orally or topically/dermally. They differ from the suspensions and emulsions described above only by their higher viscosity.

For the production of solid preparations, the active compound is mixed with suitable excipients, if appropriate with addition of auxiliaries, and brought into the desired form. Suitable auxiliaries for this purpose are known in the art.

The compositions which can be used in the invention can comprise generally from about 0.001 to 95% of the compound of the invention.

Ready-to-use preparations contain the compounds acting against parasites, preferably ectoparasites, in concentrations of 10 ppm to 80 per cent by weight, preferably from 0.1 to 65 per cent by weight, more preferably from 1 to 50 per cent by weight, most preferably from 5 to 40 per cent by weight.

Preparations which are diluted before use contain the compounds acting against ectoparasites in concentrations of 0.5 to 90 per cent by weight, preferably of 1 to 50 per cent by weight.

Furthermore, the preparations comprise the compounds of formula I against endoparasites in concentrations of 10 ppm to 2 per cent by weight, preferably of 0.05 to 0.9 per cent by weight, very particularly preferably of 0.005 to 0.25 per cent by weight.

Topical application may be conducted with compound-containing shaped articles such as collars, medallions, ear tags, bands for fixing at body parts, and adhesive strips and foils.

Generally it is favorable to apply solid formulations which release compounds and/or mixtures or compositions of the invention in total amounts of 10 mg/kg to 300 mg/kg, preferably 20 mg/kg to 200 mg/kg, most preferably 25 mg/kg to 160 mg/kg body weight of the treated animal in the course of three weeks.

The compounds or mixtures or compositions according to the invention can be converted into customary types of agrochemical compositions, e.g. solutions, emulsions, suspensions, dusts, powders, pastes, granules, pressings, capsules, and mixtures thereof. Examples for composition types are suspensions (e.g. SC, OD, FS), emulsifiable concentrates (e.g. EC),

emulsions (e.g. EW, EO, ES, ME), capsules (e.g. CS, ZC), pastes, pastilles, wettable powders or dusts (e.g. WP, SP, WS, DP, DS), pressings (e.g. BR, TB, DT), granules (e.g. WG, SG, GR, FG, GG, MG), insecticidal articles (e.g. LN), as well as gel formulations for the treatment of plant propagation materials such as seeds (e.g. GF). These and further compositions types are defined in the "Catalogue of pesticide formulation types and international coding system", Technical Monograph No. 2, 6th Ed. May 2008, CropLife International.

The compositions are prepared in a known manner, such as described by Mollet and Grubemann, *Formulation technology*, Wiley VCH, Weinheim, 2001; or Knowles, *New developments in crop protection product formulation*, Agrow Reports DS243, T&F Informa, London, 2005.

Suitable auxiliaries are solvents, liquid carriers, solid carriers or fillers, surfactants, dispersants, emulsifiers, wetters, adjuvants, solubilizers, penetration enhancers, protective colloids, adhesion agents, thickeners, humectants, repellents, attractants, feeding stimulants, compatibilizers, bactericides, anti-freezing agents, anti-foaming agents, colorants, tackifiers and binders.

Suitable solvents and liquid carriers are water and organic solvents, such as mineral oil fractions of medium to high boiling point, e.g. kerosene, diesel oil; oils of vegetable or animal origin; aliphatic, cyclic and aromatic hydrocarbons, e.g. toluene, paraffin, tetrahydronaphthalene, alkylated naphthalenes; alcohols, e.g. ethanol, propanol, butanol, benzylalcohol, cyclohexanol; glycols; DMSO; ketones, e.g. cyclohexanone; esters, e.g. lactates, carbonates, fatty acid esters, gamma-butyrolactone; fatty acids; phosphonates; amines; amides, e.g. N-methylpyrrolidone, fatty acid dimethylamides; and mixtures thereof.

Suitable solid carriers or fillers are mineral earths, e.g. silicates, silica gels, talc, kaolins, limestone, lime, chalk, clays, dolomite, diatomaceous earth, bentonite, calcium sulfate, magnesium sulfate, magnesium oxide; polysaccharides, e.g. cellulose, starch; fertilizers, e.g. ammonium sulfate, ammonium phosphate, ammonium nitrate, ureas; products of vegetable origin, e.g. cereal meal, tree bark meal, wood meal, nutshell meal, and mixtures thereof.

Suitable surfactants are surface-active compounds, such as anionic, cationic, nonionic and amphoteric surfactants, block polymers, polyelectrolytes, and mixtures thereof. Such surfactants can be used as emulsifier, dispersant, solubilizer, wetter, penetration enhancer, protective colloid, or adjuvant. Examples of surfactants are listed in McCutcheon's, Vol.1: *Emulsifiers & Detergents*, McCutcheon's Directories, Glen Rock, USA, 2008 (International Ed. or North American Ed.).

Suitable anionic surfactants are alkali, alkaline earth or ammonium salts of sulfonates, sulfates, phosphates, carboxylates, and mixtures thereof. Examples of sulfonates are alkylarylsulfonates, diphenylsulfonates, alpha-olefin sulfonates, lignine sulfonates, sulfonates of fatty acids and oils, sulfonates of ethoxylated alkylphenols, sulfonates of alkoxyated arylphenols, sulfonates of condensed naphthalenes, sulfonates of dodecyl- and tridecylbenzenes, sulfonates of naphthalenes and alkynaphthalenes, sulfosuccinates or sulfosuccinamates. Examples of sulfates are sulfates of fatty acids and oils, of ethoxylated alkylphenols, of alcohols, of ethoxylated alcohols, or of fatty acid esters. Examples of phosphates are phosphate esters.

Examples of carboxylates are alkyl carboxylates, and carboxylated alcohol or alkylphenol ethoxylates.

Suitable nonionic surfactants are alkoxyates, N-substituted fatty acid amides, amine oxides, esters, sugar-based surfactants, polymeric surfactants, and mixtures thereof. Examples of

5 alkoxyates are compounds such as alcohols, alkylphenols, amines, amides, arylphenols, fatty acids or fatty acid esters which have been alkoxyated with 1 to 50 equivalents. Ethylene oxide and/or propylene oxide may be employed for the alkoxylation, preferably ethylene oxide.

Examples of N-substituted fatty acid amides are fatty acid glucamides or fatty acid alkanolamides. Examples of esters are fatty acid esters, glycerol esters or monoglycerides.

10 Examples of sugar-based surfactants are sorbitans, ethoxylated sorbitans, sucrose and glucose esters or alkylpolyglucosides. Examples of polymeric surfactants are home- or copolymers of vinylpyrrolidone, vinylalcohols, or vinylacetate.

Suitable cationic surfactants are quaternary surfactants, for example quaternary ammonium compounds with one or two hydrophobic groups, or salts of long-chain primary amines. Suitable

15 amphoteric surfactants are alkylbetains and imidazolines. Suitable block polymers are block polymers of the A-B or A-B-A type comprising blocks of polyethylene oxide and polypropylene oxide, or of the A-B-C type comprising alkanol, polyethylene oxide and polypropylene oxide.

Suitable polyelectrolytes are polyacids or polybases. Examples of polyacids are alkali salts of polyacrylic acid or polyacid comb polymers. Examples of polybases are polyvinylamines or

20 polyethyleneamines.

Suitable adjuvants are compounds, which have a neglectable or even no pesticidal activity themselves, and which improve the biological performance of the compound I on the target. Examples are surfactants, mineral or vegetable oils, and other auxiliaries. Further examples are

25 listed by Knowles, Adjuvants and additives, Agrow Reports DS256, T&F Informa UK, 2006, chapter 5.

Suitable thickeners are polysaccharides (e.g. xanthan gum, carboxymethylcellulose), anorganic clays (organically modified or unmodified), polycarboxylates, and silicates.

Suitable bactericides are bronopol and isothiazolinone derivatives such as alkylisothiazolinones and benzisothiazolinones. Suitable anti-freezing agents are ethylene glycol, propylene glycol,

30 urea and glycerin. Suitable anti-foaming agents are silicones, long chain alcohols, and salts of fatty acids. Suitable colorants (e.g. in red, blue, or green) are pigments of low water solubility and water-soluble dyes. Examples are inorganic colorants (e.g. iron oxide, titan oxide, iron hexacyanoferrate) and organic colorants (e.g. alizarin-, azo- and phthalocyanine colorants).

Suitable tackifiers or binders are polyvinylpyrrolidons, polyvinylacetates, polyvinyl alcohols,

35 polyacrylates, biological or synthetic waxes, and cellulose ethers.

When living microorganisms form part of the compositions, such compositions can be prepared as compositions comprising besides the active ingredients at least one auxiliary (inert ingredient) by usual means (see e.g. H.D. Burges: Formulation of Micobial Biopesticides, Springer, 1998). Suitable customary types of such compositions are suspensions, dusts,

40 powders, pastes, granules, pressings, capsules, and mixtures thereof. Examples for composition types are suspensions (e.g. SC, OD, FS), capsules (e.g. CS, ZC), pastes, pastilles,

wettable powders or dusts (e.g. WP, SP, WS, DP, DS), pressings (e.g. BR, TB, DT), granules (e.g. WG, SG, GR, FG, GG, MG), insecticidal articles (e.g. LN), as well as gel formulations for the treatment of plant propagation materials such as seeds (e.g. GF). Herein, it has to be taken into account that each formulation type or choice of auxiliary should not influence the viability of the microorganism during storage of the composition and when finally applied to the soil, plant or plant propagation material. Suitable formulations are e.g. mentioned in WO2008/002371, US 6955,912, US 5,422,107.

Examples for suitable auxiliaries are those mentioned earlier herein, wherein it must be taken care that choice and amounts of such auxiliaries should not influence the viability of the microbial pesticides in the composition. Especially for bactericides and solvents, compatibility with the respective microorganism of the respective microbial pesticide has to be taken into account. In addition, compositions with microbial pesticides may further contain stabilizers or nutrients and UV protectants. Suitable stabilizers or nutrients are e.g. alpha-tocopherol, trehalose, glutamate, potassium sorbate, various sugars like glucose, sucrose, lactose and maltodextrine (H.D. Burges: Formulation of Microbial Biopesticides, Springer, 1998). Suitable UV protectants are e.g. inorganic compounds like titan dioxide, zinc oxide and iron oxide pigments or organic compounds like benzophenones, benzotriazoles and phenyltriazines. The compositions may in addition to auxiliaries mentioned for compositions comprising compounds I herein optionally comprise 0.1 – 80% stabilizers or nutrients and 0.1-10% UV protectants.

Examples for composition types and their preparation are:

i) Water-soluble concentrates (SL, LS)

10-60 wt% of a compound I and 5-15 wt% wetting agent (e.g. alcohol alkoxylates) are dissolved in water and/or in a water-soluble solvent (e.g. alcohols) ad 100 wt%. The active substance dissolves upon dilution with water.

ii) Dispersible concentrates (DC)

5-25 wt% of a compound I and 1-10 wt% dispersant (e.g. polyvinylpyrrolidone) are dissolved in organic solvent (e.g. cyclohexanone) ad 100 wt%. Dilution with water gives a dispersion.

iii) Emulsifiable concentrates (EC)

15-70 wt% of a compound I and 5-10 wt% emulsifiers (e.g. calcium dodecylbenzenesulfonate and castor oil ethoxylate) are dissolved in water-insoluble organic solvent (e.g. aromatic hydrocarbon) ad 100 wt%. Dilution with water gives an emulsion.

iv) Emulsions (EW, EO, ES)

5-40 wt% of a compound I and 1-10 wt% emulsifiers (e.g. calcium dodecylbenzenesulfonate and castor oil ethoxylate) are dissolved in 20-40 wt% water-insoluble organic solvent (e.g. aromatic hydrocarbon). This mixture is introduced into water ad 100 wt% by means of an emulsifying machine and made into a homogeneous emulsion. Dilution with water gives an emulsion.

v) Suspensions (SC, OD, FS)

In an agitated ball mill, 20-60 wt% of a compound I are comminuted with addition of 2-10

wt% dispersants and wetting agents (e.g. sodium lignosulfonate and alcohol ethoxylate), 0.1-2 wt% thickener (e.g. xanthan gum) and water ad 100 wt% to give a fine active substance suspension. Dilution with water gives a stable suspension of the active substance. For FS type composition up to 40 wt% binder (e.g. polyvinylalcohol) is added.

5 vi) Water-dispersible granules and water-soluble granules (WG, SG)

50-80 wt% of a compound I are ground finely with addition of dispersants and wetting agents (e.g. sodium lignosulfonate and alcohol ethoxylate) ad 100 wt% and prepared as water-dispersible or water-soluble granules by means of technical appliances (e.g. extrusion, spray tower, fluidized bed). Dilution with water gives a stable dispersion or solution of the active substance.

10 vii) Water-dispersible powders and water-soluble powders (WP, SP, WS)

50-80 wt% of a compound I are ground in a rotor-stator mill with addition of 1-5 wt% dispersants (e.g. sodium lignosulfonate), 1-3 wt% wetting agents (e.g. alcohol ethoxylate) and solid carrier (e.g. silica gel) ad 100 wt%. Dilution with water gives a stable dispersion or solution of the active substance.

15 viii) Gel (GW, GF)

In an agitated ball mill, 5-25 wt% of a compound I are comminuted with addition of 3-10 wt% dispersants (e.g. sodium lignosulfonate), 1-5 wt% thickener (e.g. carboxymethylcellulose) and water ad 100 wt% to give a fine suspension of the active substance. Dilution with water gives a stable suspension of the active substance.

20 ix) Microemulsion (ME)

5-20 wt% of a compound I are added to 5-30 wt% organic solvent blend (e.g. fatty acid dimethylamide and cyclohexanone), 10-25 wt% surfactant blend (e.g. alcohol ethoxylate and arylphenol ethoxylate), and water ad 100 %. This mixture is stirred for 1 h to produce spontaneously a thermodynamically stable microemulsion.

25 x) Microcapsules (CS)

An oil phase comprising 5-50 wt% of a compound I, 0-40 wt% water insoluble organic solvent (e.g. aromatic hydrocarbon), 2-15 wt% acrylic monomers (e.g. methylmethacrylate, methacrylic acid and a di- or triacrylate) are dispersed into an aqueous solution of a protective colloid (e.g. polyvinyl alcohol). Radical polymerization initiated by a radical initiator results in the formation of poly(meth)acrylate microcapsules. Alternatively, an oil phase comprising 5-50 wt% of a compound I according to the invention, 0-40 wt% water insoluble organic solvent (e.g. aromatic hydrocarbon), and an isocyanate monomer (e.g. diphenylmethene-4,4'-diisocyanatae) are dispersed into an aqueous solution of a protective colloid (e.g. polyvinyl alcohol). The addition of a polyamine (e.g. hexamethylenediamine) results in the formation of polyurea microcapsules. The monomers amount to 1-10 wt%. The wt% relate to the total CS composition.

30 xi) Dustable powders (DP, DS)

1-10 wt% of a compound I are ground finely and mixed intimately with solid carrier (e.g. finely divided kaolin) ad 100 wt%.

xii) Granules (GR, FG)

0.5-30 wt% of a compound I is ground finely and associated with solid carrier (e.g. silicate) ad 100 wt%. Granulation is achieved by extrusion, spray-drying or fluidized bed.

xiii) Ultra-low volume liquids (UL)

- 5 1-50 wt% of a compound I are dissolved in organic solvent (e.g. aromatic hydrocarbon) ad 100 wt%.

The compositions types i) to xiii) may optionally comprise further auxiliaries, such as 0.1-1 wt% bactericides, 5-15 wt% anti-freezing agents, 0.1-1 wt% anti-foaming agents, and 0.1-1 wt% colorants.

- 10 The compositions types i) to vii) may optionally comprise further auxiliaries, such as 0,1-1 wt% bactericides, 5-15 wt% anti-freezing agents, 0,1-1 wt% anti-foaming agents, 0.1 – 80% stabilizers or nutrients, 0.1-10% UV protectants and 0,1-1 wt% colorants.

The compositions types i) to xi) may optionally comprise further auxiliaries, such as 0.1-1 wt% bactericides, 5-15 wt% anti-freezing agents, 0.1-1 wt% anti-foaming agents, and 0.1-1 wt% colorants.

- 15 The agrochemical compositions generally are characterized in that they contain an effective quantity of the active components as defined above. Generally, they contain between 0.01 and 95%, preferably between 0.1 and 90%, and in particular between 0.5 and 75%, by weight of active components, in particular active substances.

- 20 Solutions for seed treatment (LS), suspoemulsions (SE), flowable concentrates (FS), powders for dry treatment (DS), water-dispersible powders for slurry treatment (WS), water-soluble powders (SS), emulsions (ES), emulsifiable concentrates (EC) and gels (GF) are usually employed for the purposes of treatment of plant propagation materials, particularly seeds.

- 25 Preferred examples of seed treatment formulation types or soil application for pre-mix compositions are of WS, LS, ES, FS, WG or CS-type.

- The compositions in question give, after two-to-tenfold dilution, active components concentrations of from 0.01 to 60% by weight, preferably from 0.1 to 40%, in the ready-to-use preparations. Application can be carried out before or during sowing. Methods for applying or treating compound I and compound II and compositions thereof, respectively, on to plant propagation material, especially seeds include dressing, coating, pelleting, dusting, soaking and in-furrow application methods of the propagation material. Preferably, compound I and compound II or the compositions thereof, respectively, are applied on to the plant propagation material by a method such that germination is not induced, e.g. by seed dressing, pelleting, coating and dusting.

- 35 Typically, a pre-mix formulation for seed treatment application comprises 0.5 to 99.9 percent, especially 1 to 95 percent, of the desired ingredients, and 99.5 to 0.1 percent, especially 99 to 5 percent, of a solid or liquid adjuvant (including, for example, a solvent such as water), where the auxiliaries can be a surfactant in an amount of 0 to 50 percent, especially 0.5 to 40 percent, based on the pre-mix formulation. Whereas commercial products will preferably be formulated

as concentrates (e.g., pre-mix composition (formulation)), the end user will normally employ dilute formulations (e.g., tank mix composition).

Seed treatment methods for applying or treating inventive mixtures and compositions thereof to plant propagation material, especially seeds, are known in the art, and include dressing,

5 coating, filmcoating, pelleting and soaking application methods of the propagation material. Such methods are also applicable to the combinations according to the invention. In a preferred embodiment, the inventive mixture is applied or treated on to the plant propagation material by a method such that the germination is not negatively impacted. Accordingly, examples of suitable methods for applying (or treating) a plant propagation material, such as a seed, is seed
10 dressing, seed coating or seed pelleting and alike.

It is preferred that the plant propagation material is a seed, seed piece (i.e. stalk) or seed bulb.

Although it is believed that the present method can be applied to a seed in any physiological state, it is preferred that the seed be in a sufficiently durable state that it incurs no damage during the treatment process. Typically, the seed would be a seed that had been harvested from
15 the field; removed from the plant; and separated from any cob, stalk, outer husk, and surrounding pulp or other non-seed plant material. The seed would preferably also be biologically stable to the extent that the treatment would cause no biological damage to the seed. It is believed that the treatment can be applied to the seed at any time between harvest of the seed and sowing of the seed or during the sowing process (seed directed applications). The
20 seed may also be primed either before or after the treatment.

Even distribution of the ingredients in inventive mixtures and adherence thereof to the seeds is desired during propagation material treatment. Treatment could vary from a thin film (dressing) of the formulation containing the combination, for example, a mixture of active ingredient(s), on a plant propagation material, such as a seed, where the original size and/or shape are
25 recognizable to an intermediary state (such as a coating) and then to a thicker film (such as pelleting with many layers of different materials (such as carriers, for example, clays; different formulations, such as of other active ingredients; polymers; and colourants) where the original shape and/or size of the seed is no longer recognizable.

An aspect of the present invention includes application of the inventive mixtures onto the plant
30 propagation material in a targeted fashion, including positioning the ingredients in the combination onto the entire plant propagation material or on only parts thereof, including on only a single side or a portion of a single side. One of ordinary skill in the art would understand these application methods from the description provided in EP954213B1 and WO06/112700.

The inventive mixtures can also be used in form of a "pill" or "pellet" or a suitable substrate and
35 placing, or sowing, the treated pill, or substrate, next to a plant propagation material. Such techniques are known in the art, particularly in EP1124414, WO07/67042, and WO07/67044. Application of the combinations described herein onto plant propagation material also includes protecting the plant propagation material treated with the combination of the present invention by placing one or more pesticide-containing particles next to a pesticide-treated seed, wherein
40 the amount of pesticide is such that the pesticide-treated seed and the pesticide-containing particles together contain an Effective Dose of the pesticide and the pesticide dose contained in

the pesticide-treated seed is less than or equal to the Maximal Non-Phytotoxic Dose of the pesticide. Such techniques are known in the art, particularly in WO2005/120226.

Application of the combinations onto the seed also includes controlled release coatings on the seeds, wherein the ingredients of the combinations are incorporated into materials that release the ingredients over time. Examples of controlled release seed treatment technologies are generally known in the art and include polymer films, waxes, or other seed coatings, wherein the ingredients may be incorporated into the controlled release material or applied between layers of materials, or both.

Seed can be treated by applying thereto the compounds present in the inventive mixtures in any desired sequence or simultaneously.

The seed treatment occurs to an unsown seed, and the term "unsown seed" is meant to include seed at any period between the harvest of the seed and the sowing of the seed in the ground for the purpose of germination and growth of the plant.

Treatment to an unsown seed is not meant to include those practices in which the active ingredient is applied to the soil but would include any application practice that would target the seed during the planting process.

Preferably, the treatment occurs before sowing of the seed so that the sown seed has been pre-treated with the combination. In particular, seed coating or seed pelleting are preferred in the treatment of the combinations according to the invention. As a result of the treatment, the ingredients in each combination are adhered on to the seed and therefore available for pest control.

The treated seeds can be stored, handled, sowed and tilled in the same manner as any other active ingredient treated seed.

In particular, the present invention relates to a method for protection of plant propagation material from pests and/or improving the health of plants grown from said plant propagation material, wherein the soil, wherein plant propagation material is sown, is treated with an effective amount of an inventive mixture.

In particular, the present invention relates to a method for protection of plant propagation material from pests, wherein the soil, wherein plant propagation material is sown, is treated with an effective amount of an inventive mixture.

In particular, the present invention relates to a method for protection of plant propagation material from harmful fungi, wherein the soil, wherein plant propagation material is sown, is treated with an effective amount of an inventive mixture.

In particular, the present invention relates to a method for protection of plant propagation material from animal pests (insects, acarids or nematodes), wherein the soil, wherein plant propagation material is sown, is treated with an effective amount of an inventive mixture.

In one embodiment, the treatment(s) are carried out as foliar application.

In another embodiment, the treatment(s) are carried out as soil application.

In one embodiment, the treatment(s) are carried out as seed treatment.

When employed in plant protection, the total amounts of active components applied are, depending on the kind of effect desired, from 0.001 to 10 kg per ha, preferably from 0.005 to 2 kg per ha, more preferably from 0.05 to 0.9 kg per ha, in particular from 0.1 to 0.75 kg per ha. In the case of compounds II, the application rates preferably range from about 1×10^6 to 5×10^{15} (or more) CFU/ha. Preferably, the spore concentration is about 1×10^7 to about 1×10^{12} CFU/ha. In the case of (entomopathogenic) nematodes as microbial pesticides (e.g. *Steinernema feltiae*), the application rates preferably range from about 1×10^5 to 1×10^{12} (or more), more preferably from 1×10^8 to 1×10^{11} , even more preferably from 5×10^8 to 1×10^{10} individuals (e.g. in the form of eggs, juvenile or any other live stages, preferably in an infertile juvenile stage) per ha.

When employed in plant protection by seed treatment, the amount of the inventive mixtures (based on total weight of active components) is in the range from 0.01-10 kg, preferably from 0.1-1000 g, more preferably from 1-100 g per 100 kg of plant propagation material (preferably seeds). In the case of compounds II, the application rates with respect to plant propagation material preferably range from about 1×10^6 to 1×10^{12} (or more) CFU/seed. Preferably, the concentration is about 1×10^6 to about 1×10^9 CFU/seed. In the case of compounds II, the application rates with respect to plant propagation material also preferably range from about 1×10^7 to 1×10^{14} (or more) CFU per 100 kg of seed, preferably from 1×10^9 to about 1×10^{12} CFU per 100 kg of seed.

When used in the protection of materials or stored products, the amount of active components applied depends on the kind of application area and on the desired effect. Amounts customarily applied in the protection of materials are 0.001 g to 2 kg, preferably 0.005 g to 1 kg, of active components per cubic meter of treated material.

Various types of oils, wetters, adjuvants, fertilizer, or micronutrients, and further pesticides (e.g. herbicides, insecticides, fungicides, growth regulators, safeners, biopesticides) may be added to the mixtures or the compositions comprising them as premix or, if appropriate not until immediately prior to use (tank mix). These agents can be admixed with the mixtures or compositions according to the invention in a weight ratio of 1:100 to 100:1, preferably 1:10 to 10:1.

These further useful active compounds can be fertilizers or micronutrient donors (such as Mo, Zn and / or Co), especially when applied to plant propagation materials.

According to one embodiment, a polyether polymethylsiloxane copolymer may be added to the mixture or composition according to the invention, preferably in a weight ratio of 1:100 to 100:1, more preferably in a weight ratio of 1:10 to 10:1, in particular in a weight ratio of 1:5 to 5:1 based on the total weight of the compound I and compound II.

According to a further embodiment, a mineral oil or a vegetable oil may be added to the mixture or composition according to the invention, preferably in a weight ratio of 1:100 to 100:1, more preferably in a weight ratio of 1:10 to 10:1, in particular in a weight ratio of 1:5 to 5:1 based on the total weight of compound I and compound II.

The user applies the mixture or composition according to the invention usually from a predosage device, a knapsack sprayer, a spray tank, a spray plane, or an irrigation system.

Usually, the agrochemical composition is made up with water, buffer, and/or further auxiliaries to the desired application concentration and the ready-to-use spray liquor or the agrochemical composition according to the invention is thus obtained. Usually, 20 to 2000 liters, preferably 50 to 400 liters, of the ready-to-use spray liquor are applied per hectare of agricultural useful area.

- 5 In one embodiment, the at least one compound I and the at least one compound II are applied simultaneously, either as a mixture or separately, or subsequently to the soil, the plant or the plant propagules.

Moreover, we have found that simultaneous, that is joint or separate, application of at least one active compound I and at least one active compound II or the successive application of at least
10 one active compound I and at least one active compound II synergistically increase the efficacy for controlling pests or for improving the health of a plant or for inhibiting nitrification compared to the application of the individual components alone.

In one embodiment, compound I and compound II are present in a synergistically effective amount.

- 15 When applying at least one compound I and at least one compound II sequentially the time between both applications may vary e.g. between 2 hours to 7 days. Also a broader range is possible ranging from 0.25 hour to 30 days, preferably from 0.5 hour to 14 days, particularly from 1 hour to 7 days or from 1.5 hours to 5 days, even more preferred from 2 hours to 1 day.

In the mixtures and compositions, the compound ratios are advantageously chosen so as to
20 produce a synergistic effect.

The term "synergistic effect" is understood to refer in particular to that defined by Colby's formula (Colby, S. R., "Calculating synergistic and antagonistic responses of herbicide combinations", Weeds, 15, pp. 20-22, 1967).

- 25 The term "synergistic effect" is also understood to refer to that defined by application of the Tamme's method, (Tamme, P. M. L., "Isoboles, a graphic representation of synergism in pesticides", Netherl. J. Plant Pathol. 70, 1964).

According to the invention, the solid material (dry matter) of the insecticides (with the exception of oils) are considered as active components (e.g. to be obtained after drying or evaporation of the extraction medium or the suspension medium in case of liquid formulations of the microbial
30 pesticides).

In accordance with the present invention, the weight ratios and percentages used herein for a biological extract such as Quillay extract are based on the total weight of the dry content (solid material) of the respective extract(s).

- 35 For mixtures according to the invention comprising compound I (nitrification inhibitor) and compound II (insecticide), the weight ratio of compound I and compound II generally depends from the properties of the active substances used, usually it is in the range of from 1:1000 to 1000:1, regularly in the range of from 1:500 to 500:1, preferably in the range of from 1:250 to 250:1, more preferably in the range of from 1:100 to 100:1, most preferably in the range of from 1:70 to 70:1, particularly preferably in the range of from 1:50 to 50:1, particularly more

preferably in the range of from 1:30 to 30:1, particularly most preferably in the range from 1:20 to 20:1, particularly in the range of from 1:15 to 15:1, especially preferably in the range of from 1:10 to 10:1, especially more preferably in the range of from 1:8 to 8:1, especially most preferably in the range of from 1:6.5 to 6.5:1, especially in the range of from 1:5 to 5:1, in particular preferably in the range of 1:4 to 4:1, in particular more preferably in the range of from 1:3 to 3:1, in particular most preferably in the range of from 2.5:1 to 1:2.5, in particular in the range of from 1:2 to 2:1, for example in the range of from 1:1.5 to 1.5:1. For mixtures according to the invention, the weight ratio of compound I and compound II generally depends from the properties of the active substances used, usually it is not more than 1000:1, regularly not more than 250:1, preferably not more than 100:1, more preferably not more than 50:1, most preferably not more than 30:1, particularly preferably not more than 15:1, particularly more preferably not more than 8:1, particularly most preferably not more than 4:1, particularly not more than 2:1, especially preferably not more than 1:1, especially more preferably not more than 1:2, especially most preferably not more than 1:4, especially not more than 1:8, in particular preferably not more than 1:15, in particular more preferably not more than 1:30, in particular most preferably not more than 1:50, in particular not more than 1:100, for example preferably not more than 1:250, for example not more than 1:1000. For mixtures according to the invention, the weight ratio of compound I and compound II generally depends from the properties of the active substances used, usually it is at least 1000:1, regularly at least 250:1, preferably at least 100:1, more preferably at least 50:1, most preferably at least 30:1, particularly preferably at least 15:1, particularly more preferably at least 8:1, particularly most preferably at least 4:1, particularly at least 2:1, especially preferably at least 1:1, especially more preferably at least 1:2, especially most preferably at least 1:4, especially at least 1:8, in particular preferably at least 1:15, in particular more preferably at least 1:30, in particular most preferably at least 1:50, in particular at least 1:100, for example preferably at least 1:250, for example at least 1:1000.

In one preferred embodiment, compound I and compound II are present in a weight ratio of from 250:1 to 1:250, preferably in a weight ratio of from 100:1 to 1:100, more preferably in a weight ratio of from 50:1 to 1:50, more preferably in a weight ratio of from 30:1 to 1:30, most preferably in a weight ratio of from 15:1 to 1:15, particularly in a weight ratio of from 8:1 to 1:8, particularly preferably in a weight ratio of from 4:1 to 1:4, particularly more preferably in a weight ratio of from 2:1 to 1:2, particularly most preferably in a weight ratio of from 1.5:1 to 1:1.5.

In one preferred embodiment, compound I and compound II are present in a weight ratio of from 250:1 to 1:250, preferably in a weight ratio of from 100:1 to 1:100, more preferably in a weight ratio of from 50:1 to 1:50, more preferably in a weight ratio of from 30:1 to 1:30, most preferably in a weight ratio of from 15:1 to 1:15, particularly in a weight ratio of from 8:1 to 1:8, particularly preferably in a weight ratio of from 4:1 to 1:4, particularly more preferably in a weight ratio of from 2:1 to 1:2, particularly most preferably in a weight ratio of from 1.5:1 to 1:1.5, wherein the total weight of compound II is based on the amount of the solid material (dry matter) of compound II.

In one preferred embodiment, compound I and compound II are present in a weight ratio of from 250:1 to 1:250, preferably in a weight ratio of from 100:1 to 1:100, more preferably in a weight

ratio of from 50:1 to 1:50, more preferably in a weight ratio of from 30:1 to 1:30, most preferably in a weight ratio of from 15:1 to 1:15, particularly in a weight ratio of from 8:1 to 1:8, particularly preferably in a weight ratio of from 4:1 to 1:4, particularly more preferably in a weight ratio of from 2:1 to 1:2, particularly most preferably in a weight ratio of from 1.5:1 to 1:1.5, wherein the total weight of compound II is calculated on the basis of the amount of CFU of compound II, wherein 1 x 10⁹ CFU equals one gram of total weight of compound II.

According to a further embodiments of the binary mixtures and compositions, the weight ratio of the compound I and the compound II usually is in the range of from 1000:1 to 1:1, often in the range of from 100:1 to 1:1, regularly in the range of from 50:1 to 1:1, preferably in the range of from 20:1 to 1:1, more preferably in the range of from 10:1 to 1:1, even more preferably in the range of from 4:1 to 1:1 and in particular in the range of from 2:1 to 1:1.

According to a further embodiments of the binary mixtures and compositions, the weight ratio of the compound I and the compound II usually is in the range of from 1:1 to 1:1000, often in the range of from 1:1 to 1:100, regularly in the range of from 1:1 to 1:50, preferably in the range of from 1:1 to 1:20, more preferably in the range of from 1:1 to 1:10, even more preferably in the range of from 1:1 to 1:4 and in particular in the range of from 1:1 to 1:2.

According to further embodiments of the mixtures and compositions, the weight ratio of the compound I and the compound II generally depends from the properties of the active components used, usually it is in the range of from 1:10,000 to 10,000:1, regularly in the range of from 1:100 to 10,000:1, preferably in the range of from 1:100 to 5,000:1, more preferably in the range of from 1:1 to 1,000:1, even more preferably in the range of from 1:1 to 500:1 and in particular in the range of from 10:1 to 300:1.

According to further embodiments of the mixtures and compositions, the weight ratio of the compound I and the compound II usually is in the range of from 20,000:1 to 1:10, often in the range of from 10,000:1 to 1:1, regularly in the range of from 5,000:1 to 5:1, preferably in the range of from 5,000:1 to 10:1, more preferably in the range of from 2,000:1 to 30:1, even more preferably in the range of from 2,000:1 to 100:1 and in particular in the range of from 1,000:1 to 100:1.

According to further embodiments of the mixtures and compositions, the weight ratio of the compound I and the compound II usually is in the range of from 1:20,000 to 10:1, often in the range of from 1:10,000 to 1:1, regularly in the range of from 1:5,000 to 1:5, preferably in the range of from 1:5,000 to 1:10, more preferably in the range of from 1:2,000 to 1:30, even more preferably in the range of from 1:2,000 to 1:100 and in particular in the range of from 1:1,000 to 1:100.

In the ternary mixtures, i.e. compositions according to the invention comprising the compound I and compound II and a compound III, the weight ratio of compound I and compound II depends from the properties of the active substances used, usually it is in the range of from 1:100 to 100:1, regularly in the range of from 1:50 to 50:1, preferably in the range of from 1:20 to 20:1, more preferably in the range of from 1:10 to 10:1 and in particular in the range of from 1:4 to 4:1, and the weight ratio of compound I and compound III usually it is in the range of from 1:100 to 100:1, regularly in the range of from 1:50 to 50:1, preferably in the range of from 1:20 to 20:1,

more preferably in the range of from 1:10 to 10:1 and in particular in the range of from 1:4 to 4:1.

Any further active compounds are, if desired, added in a ratio of from 20:1 to 1:20 to the compound I.

5 These ratios are also suitable for inventive mixtures applied by seed treatment.

In further specific embodiments, the mixture or composition or kit-of-parts according to the present invention may additionally comprise a fertilizer. In case the mixture or kit-of-parts comprising compound I (nitrification inhibitor) and compound II (insecticides) is used together with a fertilizer, or when a mixture is provided in combination with a fertilizer, such mixtures may
10 be provided or used as agrochemical mixtures.

In the terms of the present invention "agrochemical mixture" means a combination of at least three or more compounds. The term is, however, not restricted to a physical mixture comprising three or more compounds, but refers to any preparation form of said compounds, the use of
15 which may be time- and/or locus-related.

The agrochemical mixtures may, for example, be formulated separately but applied in a temporal relationship, i.e. simultaneously or subsequently, the subsequent application having a time interval which allows a combined action of the compounds.

20 Furthermore, the individual compounds of the agrochemical mixtures according to the invention such as parts of a kit or parts of the mixture may be mixed by the user himself in a suitable mixing device. In specific embodiments further auxiliaries may be added, if appropriate.

25 The term "fertilizers" is to be understood as chemical compounds applied to promote plant and fruit growth. Fertilizers are typically applied either through the soil (for uptake by plant roots), through soil substituents (also for uptake by plant roots), or by foliar feeding (for uptake through leaves). The term also includes mixtures of one or more different types of fertilizers as mentioned below.

30 The term "fertilizers" can be subdivided into several categories including: a) organic fertilizers (composed of plant/animal matter), b) inorganic fertilizers (composed of chemicals and minerals) and c) urea-containing fertilizers.

35 Organic fertilizers include manure, e.g. liquid manure, semi-liquid manure, biogas manure, stable manure or straw manure, slurry, liquid dungwater, sewage sludge, worm castings, peat, seaweed, compost, sewage, and guano. Green manure crops (cover crops) are also regularly grown to add nutrients (especially nitrogen) to the soil. Manufactured organic fertilizers include e.g. compost, blood meal, bone meal and seaweed extracts. Further examples are enzyme
40 digested proteins, fish meal, and feather meal. The decomposing crop residue from prior years is another source of fertility.

Inorganic fertilizers are usually manufactured through chemical processes (such as e.g. the Haber-Bosch process), also using naturally occurring deposits, while chemically altering them (e.g. concentrated triple superphosphate). Naturally occurring inorganic fertilizers include Chilean sodium nitrate, mine rock phosphate, limestone, sulfate of potash, muriate of potash, and raw potash fertilizers.

Typical solid fertilizers are in a crystalline, prilled or granulated form. Typical nitrogen containing inorganic fertilizers are ammonium nitrate, calcium ammonium nitrate, ammonium sulfate, ammonium sulfate nitrate, calcium nitrate, diammonium phosphate, monoammonium phosphate, ammonium thio sulfate and calcium cyanamide.

The inorganic fertilizer may be an NPK fertilizer. "NPK fertilizers" are inorganic fertilizers formulated in appropriate concentrations and combinations comprising the three main nutrients nitrogen (N), phosphorus (P) and potassium (K) as well as typically S, Mg, Ca, and trace elements. "NK fertilizers" comprise the two main nutrients nitrogen (N) and potassium (K) as well as typically S, Mg, Ca, and trace elements. "NP fertilizers" comprise the two main nutrients nitrogen (N) and phosphorus (P) as well as typically S, Mg, Ca, and trace elements.

Urea-containing fertilizer may, in specific embodiments, be formaldehyde urea, UAN, urea sulfur, stabilized urea, urea based NPK-fertilizers, or urea ammonium sulfate. Also envisaged is the use of urea as fertilizer. In case urea-containing fertilizers or urea are used or provided, it is particularly preferred that urease inhibitors as defined herein above may be added or additionally be present, or be used at the same time or in connection with the urea-containing fertilizers.

Fertilizers may be provided in any suitable form, e.g. as coated or uncoated granules, in liquid or semi-liquid form, as sprayable fertilizer, or via fertigation etc.

Coated fertilizers may be provided with a wide range of materials. Coatings may, for example, be applied to granular or prilled nitrogen (N) fertilizer or to multi-nutrient fertilizers. Typically, urea is used as base material for most coated fertilizers. The present invention, however, also envisages the use of other base materials for coated fertilizers, any one of the fertilizer materials defined herein. In certain embodiments, elemental sulfur may be used as fertilizer coating. The coating may be performed by spraying molten S over urea granules, followed by an application of sealant wax to close fissures in the coating. In a further embodiment, the S layer may be covered with a layer of organic polymers, preferably a thin layer of organic polymers. In another embodiment, the coated fertilizers are preferably physical mixtures of coated and non-coated fertilizers.

Further envisaged coated fertilizers may be provided by reacting resin-based polymers on the surface of the fertilizer granule. A further example of providing coated fertilizers includes the use of low permeability polyethylene polymers in combination with high permeability coatings.

In specific embodiments the composition and/or thickness of the fertilizer coating may be adjusted to control, for example, the nutrient release rate for specific applications. The duration of nutrient release from specific fertilizers may vary, e.g. from several weeks to many months. The presence of nitrification inhibitors and insecticides in a mixture with coated fertilizers may accordingly be adapted. It is, in particular, envisaged that the nutrient release involves or is accompanied by the release of an nitrification inhibitor and insecticide according to the present invention.

Coated fertilizers may be provided as controlled release fertilizers (CRFs). In specific embodiments these controlled release fertilizers are fully coated N-P-K fertilizers, which are homogeneous and which typically show a pre-defined longevity of release. In further embodiments, the CRFs may be provided as blended controlled release fertilizer products which may contain coated, uncoated and/or slow release components. In certain embodiments, these coated fertilizers may additionally comprise micronutrients. In specific embodiments these fertilizers may show a pre-defined longevity, e.g. in case of N-P-K fertilizers.

Additionally envisaged examples of CRFs include patterned release fertilizers. These fertilizers typically show a pre-defined release patterns (e.g. hi/standard/lo) and a pre-defined longevity. In exemplary embodiments fully coated N-P-K, Mg and micronutrients may be delivered in a patterned release manner.

Also envisaged are double coating approaches or **coated fertilizers** based on a programmed release.

In further embodiments the fertilizer mixture may be provided as, or may comprise or contain a slow release fertilizer. The fertilizer may, for example, be released over any suitable period of time, e.g. over a period of 1 to 5 months, preferably up to 3 months. Typical examples of ingredients of slow release fertilizers are IBDU (isobutylidenediurea), e.g. containing about 31-32 % nitrogen, of which 90% is water insoluble; or UF, i.e. an urea-formaldehyde product which contains about 38 % nitrogen of which about 70 % may be provided as water insoluble nitrogen; or CDU (crotonylidene diurea) containing about 32 % nitrogen; or MU (methylene urea) containing about 38 to 40% nitrogen, of which 25-60 % is typically cold water insoluble nitrogen; or MDU (methylene diurea) containing about 40% nitrogen, of which less than 25 % is cold water insoluble nitrogen; or MO (methylol urea) containing about 30% nitrogen, which may typically be used in solutions; or DMTU (diimethylene triurea) containing about 40% nitrogen, of which less than 25% is cold water insoluble nitrogen; or TMTU (tri methylene tetraurea), which may be provided as component of UF products; or TMPU (tri methylene pentaurea), which may also be provided as component of UF products; or UT (urea triazone solution) which typically contains about 28 % nitrogen. The fertilizer mixture may also be long-term nitrogen-bearing fertiliser containing a mixture of acetylene diurea and at least one other organic nitrogen-bearing fertiliser selected from methylene urea, isobutylidene diurea, crotonylidene diurea, substituted triazones, triuret or mixtures thereof.

Any of the above mentioned fertilizers or fertilizer forms may suitably be combined. For instance, slow release fertilizers may be provided as coated fertilizers. They may also be combined with other fertilizers or fertilizer types. The same applies to the presence of a nitrification inhibitor or insecticide according to the present invention, which may be adapted to the form and chemical nature of the fertilizer and accordingly be provided such that its release accompanies the release of the fertilizer, e.g. is released at the same time or with the same frequency. The present invention further envisages fertilizer or fertilizer forms as defined herein above in combination with nitrification inhibitors as defined herein above and insecticides and further in combination with urease inhibitors as defined herein above. Such combinations may be provided as coated or uncoated forms and/or as slow or fast release forms. Preferred are combinations with slow release fertilizers including a coating. In further embodiments, also different release schemes are envisaged, e.g. a slower or a faster release.

The term "fertigation" as used herein refers to the application of fertilizers, optionally soil amendments, and optionally other water-soluble products together with water through an irrigation system to a plant or to the locus where a plant is growing or is intended to grow, or to a soil substituent as defined herein below. For example, liquid fertilizers or dissolved fertilizers may be provided via fertigation directly to a plant or a locus where a plant is growing or is intended to grow. Likewise, nitrification inhibitors according to the present invention, or in combination with additional nitrification inhibitors, may be provided via fertigation to plants or to a locus where a plant is growing or is intended to grow. Fertilizers and nitrification inhibitors according to the present invention, or in combination with additional nitrification inhibitors, may be provided together, e.g. dissolved in the same charge or load of material (typically water) to be irrigated. In further embodiments, fertilizers and nitrification inhibitors may be provided at different points in time. For example, the fertilizer may be fertigated first, followed by the nitrification inhibitor, or preferably, the nitrification inhibitor may be fertigated first, followed by the fertilizer. The time intervals for these activities follow the herein above outlined time intervals for the application of fertilizers and nitrification inhibitors. Also envisaged is a repeated fertigation of fertilizers and nitrification inhibitors according to the present invention, either together or intermittently, e.g. every 2 hours, 6 hours, 12 hours, 24 hours, 2 days, 3 days, 4 days, 5 days, 6 days or more.

In particularly preferred embodiments, the fertilizer is an ammonium-containing fertilizer.

The agrochemical mixture according to the present invention may comprise one fertilizer as defined herein above and one nitrification inhibitor as defined herein above and one insecticide as defined herein above. In further embodiments, the agrochemical mixture according to the present invention may comprise at least one or more than one fertilizer as defined herein above, e.g. 2, 3, 4, 5, 6, 6, 7, 8, 9, 10 or more different fertilizers (including inorganic, organic and urea-containing fertilizers) and at least one nitrification inhibitor as defined above and at least one insecticide as defined herein above, preferably a combination as defined in the Tables 1 to 49.

In another group of embodiments the agrochemical mixture according to the present invention may comprise at least one or more than one nitrification inhibitor as defined herein above, preferably more than one nitrification inhibitor as defined above and at least one fertilizer as defined herein above and at least one insecticide as defined herein above.

5

The term "at least one" is to be understood as 1, 2, 3 or more of the respective compound selected from the group consisting of fertilizers as defined herein above, and nitrification inhibitors as defined herein above (also designated as compound I), and insecticides (also designated as compound II).

10

In addition to at least one fertilizer and at least one nitrification inhibitor as defined herein above and at least one insecticide, an agrochemical mixture may comprise further ingredients, compounds, active compounds or compositions or the like. For example, the agrochemical mixture may additionally comprise or composed with or on the basis of a carrier, e.g. an agrochemical carrier, preferably as defined herein. In further embodiments, the agrochemical mixture may further comprise at least one additional pesticidal compound. For example, the agrochemical mixture may additionally comprise at least one further compound selected from herbicides, insecticides, fungicides, growth regulators, biopesticides, urease inhibitors, nitrification inhibitors, and denitrification inhibitors.

20

In specific embodiments, the treatment may be carried out during all suitable growth stages of a plant as defined herein. For example, the treatment may be carried out during the BBCH principle growth stages.

The term "BBCH principal growth stage" refers to the extended BBCH-scale which is a system for a uniform coding of phenologically similar growth stages of all mono- and dicotyledonous plant species in which the entire developmental cycle of the plants is subdivided into clearly recognizable and distinguishable longer-lasting developmental phases. The BBCH-scale uses a decimal code system, which is divided into principal and secondary growth stages. The abbreviation BBCH derives from the Federal Biological Research Centre for Agriculture and Forestry (Germany), the Bundessortenamt (Germany) and the chemical industry.

In one embodiment the invention relates to a method for reducing nitrification comprising treating a plant growing on soil or soil substituents and/or the locus where the plant is growing or is intended to grow with a mixture or composition of the invention at a growth stage (GS) between GS 00 and GS > BBCH 99 of the plant (e.g. when fertilizing in fall after harvesting apples) and preferably between GS 00 and GS 65 BBCH of the plant.

In one embodiment the invention relates to a method for reducing nitrification comprising treating a plant growing on soil or soil substituents and/or the locus where the plant is growing or is intended to grow with a mixture or composition of the invention (referred to as mixture (Q) in the following) at a growth stage (GS) between GS 00 to GS 45, preferably between GS 00 and GS 40 BBCH of the plant.

In a preferred embodiment the invention relates to a method for reducing nitrification comprising treating a plant growing on soil or soil substituents and/or the locus where the plant

is growing or is intended to grow with a mixture or composition of the invention at an early growth stage (GS), in particular a GS 00 to GS 05, or GS 00 to GS 10, or GS 00 to GS 15, or GS 00 to GS 20, or GS 00 to GS 25 or GS 00 to GS 33 BBCH of the plant. In particularly preferred embodiments, the method for reducing nitrification comprises treating a plant growing
 5 on soil or soil substituents and/or the locus where the plant is growing or is intended to grow with a mixture or composition of the invention during growth stages including GS 00.

In a further, specific embodiment of the invention, a mixture or composition of the invention is applied to a plant growing on soil or soil substituents and/or the locus where the plant is growing or is intended to grow at a growth stage between GS 00 and GS 55 BBCH, or of the plant.

10 In a further embodiment of the invention, a mixture or composition of the invention is applied to a plant growing on soil or soil substituents and/or the locus where the plant is growing or is intended to grow at the growth stage between GS 00 and GS 47 BBCH of the plant.

In one embodiment of the invention, a mixture or composition of the invention is applied to a plant growing on soil or soil substituents and/or the locus where the plant is growing or is
 15 intended to grow before and at sowing, before emergence, and until harvest (GS 00 to GS 89 BBCH), or at a growth stage (GS) between GS 00 and GS 65 BBCH of the plant.

Experimental details

20 Plant growth conditions

Plants were generally grown under standard green house conditions (20°C and 60% humidity) using standard greenhouse soil (mixture of peat, loam and sand). Therefore, 0.4 g of ryegrass seeds (*Lolium perenne* 'Chagall'), 1 soybean seed (*Glycine max* 'Sultana') or 1 grape vine live
 25 stack (*Vitis vinifer ssp.* 'Sativa ') were grown per pot (8.4 cm for ryegrass, soybean; 13 cm for grape vine) in a completely randomized set-up. Following a growth period of ten days (ryegrass), 14 days (soybean) or approx. 21 days, until the main shoot reached a length of 20 cm (grape vine), plants were designated for experimental usage.

Greenhouse experiment

30 Detection of nitrous oxide losses:

On application day (DAT0), each pot (with/without plants) was set onto a plant saucer designed with an inner compartment for the pot and an outer ring that is filled with water. At time 0, water holding capacity of the soil was set to 60-70% prior to application with/without fertilizer and active ingredient. Subsequently, a gas sampling chamber was placed over the plant saucer
 35 such that the rim fit into the ring filled with water to create a gas-tight chamber and 25 cc air from the chamber were drawn into a syringe and immediately emptied in to a Vacutainer (Labco, 12 ml volume). This equals the Time 0 measurement for each pot. The same procedure was performed with all pots in the experiment. After two hour incubation time, again 25 cc air samples were taken from the gas chambers and emptied into Vacutainers as described above.

Plants were then returned to their positions in the climate chamber. The procedure was repeated at precisely the same time of day for up to 19 days.

Samples were analyzed in a Shimadzu 2014 GC equipped with an ECD system.

5 Detection of plant biomass / shoot elongation:

Detection of ryegrass and soybean biomass (fresh weight) was determined gravimetrically. Therefore, plants were cut using a hand held lawn cutter (ryegrass) or garden shears (soybean) 1 cm above the soil. Given ryegrass data represent the mean value of respective replicates summed up for 3 cuttings. For experiments using ryegrass, evaluations were conducted 5, 12
10 and 17 days after start of the experiment. For experiments using soybean, biomass evaluation was conducted 17 days after experimental start.

For experiments using grape vine, elongation of the main shoot was measured metrically 17 days after experimental start.

Claims

1. A mixture comprising as active components

1) at least one active compound I (nitrification inhibitor) selected from the group consisting of:

- 5 a) 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid, and/or a derivative thereof, and/or a salt thereof,
- b) glycolic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium glycolate), and/or an isomer thereof, and/or a derivative thereof,
- 10 c) citric acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium citrate), and/or an isomer thereof, and/or a derivative thereof,
- d) lactic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium lactate), and/or an isomer thereof, and/or a derivative thereof,
- e) mandelic acid addition salt of 3,4-dimethyl pyrazole (3,4-dimethyl pyrazolium mandelate), and/or an isomer thereof, and/or a derivative thereof,
- 15 f) 1,2,4-triazole, and/or a derivative thereof, and/or a salt thereof,
- g) 4-Chloro-3-methylpyrazole, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- h) N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- 20 i) N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- j) N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- 25 k) N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide, and/or an isomer thereof, and/or a derivative thereof, and/or a salt thereof,
- l) a reaction adduct of dicyandiamide, urea and formaldehyde, or a triazonyl-formaldehyde-dicyandiamide adduct
- m) 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine,
- n) 1-((2-cyanoguanidino)methyl)urea, and

- o) 2-cyano-1-((2-cyanoguanidino)methyl)guanidine,
- p) 2-chloro-6-(trichloromethyl)-pyridine (nitrapyrin or N-serve),
- q) dicyandiamide (DCD, DIDIN),
- 5 r) 3,4-dimethyl pyrazole phosphate, and/or 3,5-dimethyl pyrazole phosphate (DMPP, ENTEC), and/or a derivative thereof,
- s) 3,4-dimethylpyrazole, and/or 3,5-dimethylpyrazole (DMP), and/or a derivative thereof, and/or a salt thereof,
- t) ammoniumthiosulfate (ATU),
- u) neem, and/or products based on ingredients of neem,
- 10 v) linoleic acid,
- w) alpha-linolenic acid,
- x) methyl p-coumarate,
- y) methyl ferulate,
- z) methyl 3-(4-hydroxyphenyl) propionate (MHPP),
- 15 aa) Karanjin,
- bb) brachialacton,
- cc) p-benzoquinone sorgoleone,
- dd) 4-amino-1,2,4-triazole hydrochloride (ATC),
- ee) 1-amido-2-thiourea (ASU),
- 20 ff) 2-amino-4-chloro-6-methylpyrimidine (AM),
- gg) 2-mercapto-benzothiazole (MBT),
- hh) 5-ethoxy-3-trichloromethyl-1,2,4-thiodiazole (terrazole, etridiazole),
- ii) 2-sulfanilamidothiazole (ST),
- jj) 3-methylpyrazol (3-MP),

- kk) 1,2,4-triazol thiourea (TU),
- ll) cyan amide,
- mm) melamine,
- nn) zeolite powder,
- 5 oo) catechol,
- pp) benzoquinone,
- qq) sodium tetra borate,
- rr) allylthiourea,
- ss) chlorate salts, and
- 10 tt) zinc sulfate;
- and
- 2) at least one active compound II (insecticide) selected from the groups O.1 to O.29:

A) O) Insecticides from classes O.1 to O.29

- 15 O.1 Acetylcholine esterase (AChE) inhibitors: aldicarb (O.1.1), alanycarb (O.1.2), bendiocarb (O.1.3), benfuracarb (O.1.4), butocarboxim (O.1.5), butoxycarboxim (O.1.6), carbaryl (O.1.7), carbofuran (O.1.8), carbosulfan (O.1.9), ethiofencarb (O.1.10), fenobucarb (O.1.11), formetanate (O.1.12), furathiocarb (O.1.13), isoprocab (O.1.14), methiocarb (O.1.15), methomyl (O.1.16), metolcarb (O.1.17), oxamyl (O.1.18), pirimicarb (O.1.19), propoxur
- 20 (O.1.20), thiodicarb (O.1.21), thiofanox (O.1.22), trimethacarb (O.1.23), XMC (O.1.24), xylylcarb (O.1.25) and triazamate (O.1.26); acephate (O.1.27), azamethiphos (O.1.28), azinphos-ethyl (O.1.29), azinphosmethyl (O.1.30), cadusafos (O.1.31), chlorethoxyfos (O.1.32), chlorfenvinphos (O.1.33), chlormephos (O.1.34), chlorpyrifos (O.1.35), chlorpyrifos-methyl (O.1.36), coumaphos (O.1.37), cyanophos (O.1.38), demeton-S-methyl (O.1.39),
- 25 diazinon (O.1.40), dichlorvos/ DDVP (O.1.41), dicrotophos (O.1.42), dimethoate (O.1.43), dimethylvinphos (O.1.44), disulfoton (O.1.45), EPN (O.1.46), ethion (O.1.47), ethoprophos (O.1.48), famphur (O.1.49), fenamiphos (O.1.50), fenitrothion (O.1.51), fenthion (O.1.52), fosthiazate (O.1.53), heptenophos (O.1.54), imicyafos (O.1.55), isofenphos (O.1.56), isopropyl O-(methoxyaminothio-phosphoryl) salicylate (O.1.57), isoxathion (O.1.58), malathion (O.1.59),
- 30 mecarbam (O.1.60), methamidophos (O.1.61), methidathion (O.1.62), mevinphos (O.1.63), monocrotophos (O.1.64), naled (O.1.65), omethoate (O.1.66), oxydemeton-methyl (O.1.67), parathion (O.1.68), parathion-methyl (O.1.69), phenthoate (O.1.70), phorate (O.1.71), phosa-

lone (O.1.72), phosmet (O.1.73), phosphamidon (O.1.74), phoxim (O.1.75), pirimiphos- methyl (O.1.76), profenofos (O.1.77), propetamphos (O.1.78), prothiofos (O.1.79), pyraclofos (O.1.80), pyridaphenthion (O.1.81), quinalphos (O.1.82), sulfotep (O.1.83), tebupirimfos (O.1.84), temephos (O.1.85), terbufos (O.1.86), tetrachlorvinphos (O.1.87), thiometon (O.1.88), triazophos (O.1.89), trichlorfon (O.1.90), vamidothion (O.1.91);

O.2 GABA-gated chloride channel antagonists: endosulfan (O.2.1), chlordane (O.2.2); ethiprole (O.2.3), fipronil (O.2.4), flufiprole (O.2.5), pyrafluprole (O.2.6), pyriprole (O.2.7);

O.3 Sodium channel modulators: acrinathrin (O.3.1), allethrin (O.3.2), d-cis-trans allethrin (O.3.3), d-trans allethrin (O.3.4), bifenthrin (O.3.5), bioallethrin (O.3.6), bioallethrin S-cyclopentenyl (O.3.7), bioresmethrin (O.3.8), cycloprothrin (O.3.9), cyfluthrin (O.3.10), beta-cyfluthrin (O.3.11), cyhalothrin (O.3.12), lambda-cyhalothrin (O.3.13), gamma-cyhalothrin (O.3.14), cypermethrin (O.3.15), alpha-cypermethrin (O.3.16), beta-cypermethrin (O.3.17), theta-cypermethrin (O.3.18), zeta-cypermethrin (O.3.19), cyphenothrin (O.3.20), deltamethrin (O.3.21), empenethrin (O.3.22), esfenvalerate (O.3.23), etofenprox (O.3.24), fenpropathrin (O.3.25), fenvalerate (O.3.26), flucythrinate (O.3.27), flumethrin (O.3.28), tau-fluvalinate (O.3.29), halfenprox (O.3.30), heptafluthrin (O.3.31), imiprothrin (O.3.32), meperfluthrin (O.3.33), metofluthrin (O.3.34), momfluorothrin (O.3.35), permethrin (O.3.36), phenothrin (O.3.37), prallethrin (O.3.38), profluthrin (O.3.39), pyrethrin (pyrethrum) (O.3.40), resmethrin (O.3.41), silafluofen (O.3.42), tefluthrin (O.3.43), tetramethylfluthrin (O.3.44), tetramethrin (O.3.45), tralomethrin (O.3.46) and transfluthrin (O.3.47); DDT (O.3.48), methoxychlor (O.3.49);

O.4 Nicotinic acetylcholine receptor agonists (nAChR): acetamiprid (O.4.1), clothianidin (O.4.2), cycloxaprid (O.4.3), dinotefuran (O.4.4), imidacloprid (O.4.5), nitenpyram (O.4.6), thiachloprid (O.4.7), thiamethoxam (O.4.8); (2E)-1-[(6-chloropyridin-3-yl)methyl]-N'-nitro-2-pentylidenehydrazinecarboximidamide (O.4.9); 1-[(6-chloropyridin-3-yl)methyl]-7-methyl-8-nitro-5-propoxy-1,2,3,5,6,7-hexahydroimidazo[1,2-a]pyridine (O.4.10); nicotine (O.4.11); 4,5-Dihydro-N-nitro-1-(2-oxiranylmethyl)-1H-imidazol-2-amine (O.4.12); sulfoxaflo (O.4.13); flupyradifurone (O.4.14); triflumezopyrim (O.4.15);

O.5 Nicotinic acetylcholine receptor allosteric activators: spinosad (O.5.1), spinetoram (O.5.2);

O.6 Chloride channel activators: abamectin (O.6.1), emamectin benzoate (O.6.2), ivermectin (O.6.3), lepimectin (O.6.4), milbemectin (O.6.5);

O.7 Juvenile hormone mimics: hydroprene (O.7.1), kinoprene (O.7.2), methoprene (O.7.3); fenoxycarb (O.7.4), pyriproxyfen (O.7.5);

O.8 miscellaneous non-specific (multi-site) inhibitors: methyl bromide (O.8.1) and other alkyl halides; chloropicrin (O.8.2), sulfuryl fluoride (O.8.3), borax (O.8.4), tartar emetic (O.8.5);

O.9 Chordotonal organ TRPV channel modulators: pymetrozine (O.9.1); pyrifluquinazon (O.9.2);

O.10 Mite growth inhibitors: clofentezine (O.10.1), hexythiazox (O.10.2), diflovidazin (O.10.3); etoxazole (O.10.4);

O.11 Microbial disruptors of insect midgut membranes: the Bt crop proteins: Cry1Ab, Cry1Ac, Cry1Fa, Cry2Ab, mCry3A, Cry3Ab, Cry3Bb, Cry34/35Ab1;

- 5 O.12 Inhibitors of mitochondrial ATP synthase: diafenthiuron (O.12.1); azocyclotin (O.12.2), cyhexatin (O.12.3), fenbutatin oxide (O.12.4), propargite (O.12.5), tetradifon (O.12.6);

O.13 Uncouplers of oxidative phosphorylation via disruption of the proton gradient: chlorfenapyr (O.13.1), DNOC (O.13.2), sulfluramid (O.13.3);

- 10 O.14 Nicotinic acetylcholine receptor (nAChR) channel blockers: bensultap (O.14.1), cartap hydrochloride (O.14.2), thiocyclam (O.14.3), thiosultap sodium (O.14.4);

O.15 Inhibitors of the chitin biosynthesis type 0: bistrifluron (O.15.1), chlorfluazuron (O.15.2), diflubenzuron (O.15.3), flucycloxuron (O.15.4), flufenoxuron (O.15.5), hexaflumuron (O.15.6), lufenuron (O.15.7), novaluron (O.15.8), noviflumuron (O.15.9), teflubenzuron (O.15.10), triflumuron (O.15.11);

- 15 O.16 Inhibitors of the chitin biosynthesis type 1: buprofezin (O.16.1);

O.17 Moulting disruptors: cyromazine (O.17.1);

O.18 Ecdyson receptor agonists: methoxyfenozide (O.18.1), tebufenozide (O.18.2), halofenozide (O.18.3), fufenozide (O.18.4), chromafenozide (O.18.5);

O.19 Octopamin receptor agonists: amitraz (O.19.1);

- 20 O.20 Mitochondrial complex III electron transport inhibitors: hydramethylnon (O.20.1), acequinocyl (O.20.2), fluacrypyrim (O.20.3); bifenazate (O.20.4);

O.21 Mitochondrial complex I electron transport inhibitors: fenazaquin (O.21.1), fenpyroximate (O.21.2), pyrimidifen (O.21.3), pyridaben (O.21.4), tebufenpyrad (O.21.5), tolfenpyrad (O.21.6); rotenone (O.21.7);

- 25 O.22 Voltage-dependent sodium channel blockers: indoxacarb (O.22.1), metaflumizone (O.22.2), 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(difluoromethoxy)phenyl]-hydrazinecarboxamide (O.22.3), N-(3-chloro-2-methylphenyl)-2-[(4-chlorophenyl)-[4-[methyl(methylsulfonyl)amino]phenyl]methylene]-hydrazinecarboxamide (O.22.4);

- 30 O.23 Inhibitors of the of acetyl CoA carboxylase: spiroadiclofen (O.23.1), spiromesifen (O.23.2), spirotetramat (O.23.3); spiropidion (O.23.4);

O.24 Mitochondrial complex IV electron transport inhibitors: aluminium phosphide (O.24.1), calcium phosphide (O.24.2), phosphine (O.24.3), zinc phosphide (O.24.4), cyanide (O.24.5);

- 35 O.25 Mitochondrial complex II electron transport inhibitors: cyenopyrafen (O.25.1), cyflumetofen (O.25.2);

O.26 Ryanodine receptor-modulators: flubendiamide (O.26.1), chlorantraniliprole (O.26.2), cyantraniliprole (O.26.3), cyclaniliprole (O.26.4), tetraniliprole (O.26.5); (R)-3-chloro-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-N2-(1-methyl-2-methylsulfonylethyl)phthalamide (O.26.6), (S)-3-chloro-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-N2-(1-methyl-2-methylsulfonylethyl)phthalamide (O.26.7), methyl-2-[3,5-dibromo-2-([3-bromo-1-(3-chloropyridin-2-yl)-1H-pyrazol-5-yl]carbonyl)-amino]benzoyl]-1,2-dimethylhydrazinecarboxylate (O.26.8); N-[4,6-dichloro-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.9); N-[4-chloro-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-6-methyl-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.10); N-[4-chloro-2-[(di-2-propyl-lambda-4-sulfanylidene)carbamoyl]-6-methyl-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.11); N-[4,6-dichloro-2-[(di-2-propyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.12); N-[4,6-dibromo-2-[(diethyl-lambda-4-sulfanylidene)carbamoyl]-phenyl]-2-(3-chloro-2-pyridyl)-5-(trifluoromethyl)pyrazole-3-carboxamide (O.26.13); N-[2-(5-amino-1,3,4-thiadiazol-2-yl)-4-chloro-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (O.26.14); 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2,4-dichloro-6-[(1-cyano-1-methylethyl)amino]carbonyl]phenyl]-1H-pyrazole-5-carboxamide (O.26.15); 3-bromo-N-[2,4-dichloro-6-(methylcarbamoyl)phenyl]-1-(3,5-dichloro-2-pyridyl)-1H-pyrazole-5-carboxamide (O.26.16); N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(fluoromethoxy)-1H-pyrazole-5-carboxamide (O.26.17); cyhalodiamide (O.26.18);

O.27. insecticidal active compounds of unknown or uncertain mode of action: afidopyropen (O.27.1), afoxolaner (O.27.2), azadirachtin (O.27.3), amidoflumet (O.27.4), benzoximate (O.27.5), broflanilide (O.27.6), bromopropylate (O.27.7), chinomethionat (O.27.8), cryolite (O.27.9), dicloromezotiaz (O.27.10), dicofol (O.27.11), flufenerim (O.27.12), flometoquin (O.27.13), fluensulfone (O.27.14), fluhexafon (O.27.15), fluopyram (O.27.16), fluralaner (O.27.17), metoxadiazone (O.27.18), piperonyl butoxide (O.27.19), pyflubumide (O.27.20), pyridalyl (O.27.21), tioxazafen (O.27.22), 11-(4-chloro-2,6-dimethylphenyl)-12-hydroxy-1,4-dioxo-9-azadispiro[4.2.4.2]-tetradec-11-en-10-one (O.27.23), 3-(4'-fluoro-2,4-dimethylbiphenyl-3-yl)-4-hydroxy-8-oxa-1-azaspiro[4.5]dec-3-en-2-one (O.27.24), 1-[2-fluoro-4-methyl-5-[(2,2,2-trifluoroethyl)sulfinyl]phenyl]-3-(trifluoromethyl)-1H-1,2,4-triazole-5-amine (O.27.25), or actives on basis of *bacillus firmus* (Votivo, I-1582) (O.27.26); flupyrimin (O.27.27); fluazaindolizine (O.27.42); 4-[5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-2-methyl-N-(1-oxothietan-3-yl)benzamide (O.27.43); fluxametamide (O.27.44); 5-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy]-1H-pyrazole (O.27.45); 3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]-6-(trifluoromethyl)phenyl]-2-fluoro-benzamide (O.27.46); 3-(benzoylmethylamino)-2-fluoro-N-[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]-benzamide (O.27.47); N-[3-[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.48); N-[3-[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]-2-fluorophenyl]-4-fluoro-N-methyl-benzamide

(O.27.49); 4-fluoro-N-[2-fluoro-3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.50); 3-fluoro-N-[2-fluoro-3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-N-methyl-benzamide (O.27.51); 2-chloro-N-[3-[[[2-iodo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]amino]carbonyl]phenyl]-3-pyridinecarboxamide (O.27.52); 4-cyano-N-[2-cyano-5-[[2,6-dibromo-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.53); 4-cyano-3-[(4-cyano-2-methyl-benzoyl)amino]-N-[2,6-dichloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]-2-fluoro-benzamide (O.27.54); N-[5-[[2-chloro-6-cyano-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.55); N-[5-[[2-bromo-6-chloro-4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.56); N-[5-[[2-bromo-6-chloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.57); 4-cyano-N-[2-cyano-5-[[2,6-dichloro-4-[1,2,2,3,3,3-hexafluoro-1-(trifluoromethyl)propyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.58); 4-cyano-N-[2-cyano-5-[[2,6-dichloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]phenyl]-2-methyl-benzamide (O.27.59); N-[5-[[2-bromo-6-chloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]carbamoyl]-2-cyano-phenyl]-4-cyano-2-methyl-benzamide (O.27.60); 2-(1,3-dioxan-2-yl)-6-[2-(3-pyridinyl)-5-thiazolyl]-pyridine; 2-[6-[2-(5-fluoro-3-pyridinyl)-5-thiazolyl]-2-pyridinyl]-pyrimidine (O.27.61); 2-[6-[2-(3-pyridinyl)-5-thiazolyl]-2-pyridinyl]-pyrimidine (O.27.62); N-methylsulfonyl-6-[2-(3-pyridyl)thiazol-5-yl]pyridine-2-carboxamide (O.27.63); N-methylsulfonyl-6-[2-(3-pyridyl)thiazol-5-yl]pyridine-2-carboxamide (O.27.64); N-ethyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.65); N-methyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.66); N,2-dimethyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.67); N-ethyl-2-methyl-N-[4-methyl-2-(3-pyridyl)thiazol-5-yl]-3-methylthio-propanamide (O.27.68); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-ethyl-2-methyl-3-methylthio-propanamide (O.27.69.); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N,2-dimethyl-3-methylthio-propanamide (O.27.70); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-methyl-3-methylthio-propanamide (O.27.71); N-[4-chloro-2-(3-pyridyl)thiazol-5-yl]-N-ethyl-3-methylthio-propanamide (O.27.72); 1-[(6-chloro-3-pyridinyl)methyl]-1,2,3,5,6,7-hexahydro-5-methoxy-7-methyl-8-nitro-imidazo[1,2-a]pyridine (O.27.73); 1-[(6-chloropyridin-3-yl)methyl]-7-methyl-8-nitro-1,2,3,5,6,7-hexahydroimidazo[1,2-a]pyridin-5-ol (O.27.74); 1-isopropyl-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.75); 1-(1,2-dimethylpropyl)-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.76); N,5-dimethyl-N-pyridazin-4-yl-1-(2,2,2-trifluoro-1-methyl-ethyl)pyrazole-4-carboxamide (O.27.77); 1-[1-(1-cyanocyclopropyl)ethyl]-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.78); N-ethyl-1-(2-fluoro-1-methyl-propyl)-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.79); 1-(1,2-dimethylpropyl)-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.80); 1-[1-(1-cyanocyclopropyl)ethyl]-N,5-dimethyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.81); N-methyl-1-(2-fluoro-1-methyl-propyl)-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.82); 1-(4,4-difluorocyclohexyl)-N-ethyl-5-methyl-N-pyridazin-4-yl-pyrazole-4-carboxamide (O.27.83); 1-(4,4-difluorocyclohexyl)-N,5-dimethyl-N-

pyridazin-4-yl-pyrazole-4-carboxamide (O.27.84), N-(1-methylethyl)-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.85); N-cyclopropyl-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.86); N-cyclohexyl-2-(3-pyridinyl)-2H-indazole-4-carboxamide (O.27.87); 2-(3-pyridinyl)-N-(2,2,2-trifluoroethyl)-2H-indazole-4-carboxamide (O.27.88); 2-(3-pyridinyl)-N-[(tetrahydro-2-furanyl)methyl]-2H-indazole-5-carboxamide (O.27.89); methyl 2-[[2-(3-pyridinyl)-2H-indazol-5-yl]carbonyl]hydrazinecarboxylate (O.27.90); N-[(2,2-difluorocyclopropyl)methyl]-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.91); N-(2,2-difluoropropyl)-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.92); 2-(3-pyridinyl)-N-(2-pyrimidinylmethyl)-2H-indazole-5-carboxamide (O.27.93); N-[(5-methyl-2-pyrazinyl)methyl]-2-(3-pyridinyl)-2H-indazole-5-carboxamide (O.27.94), N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-N-ethyl-3-(3,3,3-trifluoropropylsulfanyl)-propanamide (O.27.95); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-N-ethyl-3-(3,3,3-trifluoropropylsulfinyl)propanamide (O.27.96); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-3-[(2,2-difluorocyclopropyl)methylsulfanyl]-N-ethyl-propanamide (O.27.97); N-[3-chloro-1-(3-pyridyl)pyrazol-4-yl]-3-[(2,2-difluorocyclopropyl)methylsulfinyl]-N-ethyl-propanamide (O.27.98); sarolaner (O.27.99); lotilaner (O.27.28); N-[4-Chloro-3-[[[(phenylmethyl)amino]carbonyl]phenyl]-1-methyl-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-1H-pyrazole-5-carboxamide (O.27.29); 2-(3-ethylsulfonyl-2-pyridyl)-3-methyl-6-(trifluoromethyl)imidazo[4,5-b]pyridine (O.27.30); 2-[3-ethylsulfonyl-5-(trifluoromethyl)-2-pyridyl]-3-methyl-6-(trifluoromethyl)imidazo[4,5-b]pyridine (O.27.31); 4-[5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-N-[(4R)-2-ethyl-3-oxo-isoxazolidin-4-yl]-2-methylbenzamide (O.27.32); 4-[5-(3,5-dichloro-4-fluoro-phenyl)-5-(trifluoromethyl)-4H-isoxazol-3-yl]-N-[(4R)-2-ethyl-3-oxo-isoxazolidin-4-yl]-2-methyl-benzamide (O.27.33); N-[4-chloro-3-(cyclopropylcarbamoyl)phenyl]-2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazole-3-carboxamide (O.27.34); N-[4-chloro-3-[(1-cyanocyclopropyl)carbamoyl]phenyl]-2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazole-3-carboxamide (O.27.35); acynonapyr (O.27.36); benzpyrimoxan (O.27.37); 2-chloro-N-(1-cyanocyclopropyl)-5-[1-[2-methyl-5-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)pyrazol-3-yl]pyrazol-4-yl]benzamide (O.27.38);

O.29 Chordotonal organ Modulators – undefined target site: flonicamid (O.29.1);

2. The mixture according to claim 1, wherein compound I is selected from the group consisting of compounds I.A to I.Z:

I.A: 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid,

I.B: a salt of 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid,

I.C: a potassium salt of 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid,

I.D: an ammonium salt of 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid,

I.E: a sodium salt of 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid,

- I.F: 3,4-dimethyl pyrazolium glycolate (DMPG),
 I.G: 3,4-dimethyl pyrazolium citrate (DMPC),
 I.H: 3,4-dimethyl pyrazolium lactate (DMPL),
 I.J: 3,4-dimethyl pyrazolium lactate (DMPM),
 5 I.K: 1,2,4-triazole (TZ),
 I.L: 4-Chloro-3-methylpyrazole (CIMP),
 I.M: N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)acetamide,
 I.N: N-((3(5)-methyl-1H-pyrazole-1-yl)methyl)formamide,
 I.O: N-((3(5),4-dimethylpyrazole-1-yl)methyl)formamide,
 10 I.P: N-((4-chloro-3(5)-methyl-pyrazole-1-yl)methyl)formamide,
 I.Q: reaction adduct of dicyandiamide, urea and formaldehyde, or a triazonyl-
 formaldehyde-dicyandiamide adduct
 I.R: 2-cyano-1-((4-oxo-1,3,5-triazinan-1-yl)methyl)guanidine,
 I.S: 1-((2-cyanoguanidino)methyl)urea,
 15 I.T: 2-cyano-1-((2-cyanoguanidino)methyl)guanidine,
 I.U: 2-chloro-6-(trichloromethyl)-pyridine (nitrapyrin or N-serve),
 I.V: dicyandiamide (DCD, DIDIN),
 I.W: 3,4-dimethyl pyrazole phosphate, and/or 3,5-dimethyl pyrazole phosphate (DMPP,
 ENTEC), and/or a derivative thereof,
 20 I.X: 3,4-dimethylpyrazole, and/or 3,5-dimethylpyrazole (DMP), and/or a derivative thereof,
 and/or a salt thereof,
 I.Y: ammoniumthiosulfate (ATU), and
 I.Z: neem.
- 25 3. The mixture according to claim 1, wherein compound I is 2-(3,4-dimethyl-1H-pyrazol-1-yl)succinic acid and/or 2-(4,5-dimethyl-1H-pyrazol-1-yl)succinic acid.
- 30 4. The mixture according to any one of claims 1 to 3, wherein compound II is selected from the group consisting of thiodicarb, clothianidin, imidacloprid, thiamethoxam, thiacloprid, fipronil, chlorpyrifos, acephate, abamectin, chlorfenapyr, alpha-cypermethrin, dinotefuran, teflubenzuron, cyflumetofen, sulfoxaflor, endosulfan, ethiprole, vaniliprole, pyrafluprole, pyriprole, and 5-amino-1-(2,6-dichloro-4-methyl-phenyl)-4-sulfinamoyl-1H-pyrazole-3-carbothioic acid amide.
- 35 5. The mixture according to anyone of claims 1 to 3, wherein compound II is selected from the group consisting of spinosad, spinetoram, spirotetramat, and spiropidion.
- 40 6. The mixture according to any one of claims 1 to 3, wherein compound II is selected from the group consisting of flubendiamide, chlorantraniliprole, cyantraniliprole, cyclaniliprole, and tetraniliprole, and cyhalodiamide.

7. The mixture according to any one of claims 1 to 6, wherein compound I and compound II are present in a synergistically effective amount, and/or in a synergistically NI effective amount, and/or in a synergistically pesticidally effective amount, and/or in a synergistically plant health effective amount.
8. The mixture according to any one of claims 1 to 7, wherein compound I and compound II are present in a weight ratio of from 100:1 to 1:100.
9. The mixture according to any one of claims 1 to 8, further comprising a fertilizer.
10. An agrochemical composition, comprising an auxiliary and a mixture according to any one of claims 1 to 9.
11. Use of the mixture as defined in any of the claims 1 to 9 or of the agrochemical composition as defined in claim 10 for nitrification inhibition, for controlling insects, acarids or nematodes or for increasing the health of a plant.
12. A method for controlling insects, acarids or nematodes comprising contacting an insect, acarid or nematode or their food supply, habitat, breeding grounds or their locus with an effective amount of the mixture as defined in any one of claims 1 to 9 or of the composition as defined in claim 10.
13. A method for increasing the health of a plant, comprising treating the plant or the plant propagation material or the soil where the plants are to grow with an effective amount of the mixture as defined in any one of claims 1 to 9 or of the composition as defined in claim 10.
14. The methods as claimed in claim 12 or 13, wherein the at least one compound I and the at least one compound II are applied simultaneously, either as a mixture or separately, or subsequently to the plant propagules.
15. Plant propagation material, comprising a mixture as defined in any one of claims 1 to 9 or the composition as defined in claim 10, in an amount of from 0.1 to 10 kg active substances per 100 kg of seed.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/054947

A. CLASSIFICATION OF SUBJECT MATTER

C05G 3/00(2006.01)i; C05G 3/02(2006.01)i; C05G 3/04(2006.01)i; C05G 3/08(2006.01)i; A01P 7/00(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C05G; A01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CPRSABS;CNABS;DWPI;SIPOABS;VEN;CNKI;CJFD: dimethyl pyrazolium,pyrazolium,dimethyl pyrazol,pyrazol,succinic, nitrification inhibitor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106747919 A (SHANDONG KANGDEYUAN AGRICULTURAL SCIENCE AND TECH CO LTD) 31 May 2017 (2017-05-31) paragraphs [0007]-[0027], claims 1, 4, 6	1-2, 4-14
Y	CN 106747919 A (SHANDONG KANGDEYUAN AGRICULTURAL SCIENCE AND TECH CO LTD) 31 May 2017 (2017-05-31) paragraphs [0007]-[0027], claims 1, 4, 6	3
Y	CN 106068252 A (EUROCHEM AGRO GMBH) 02 November 2016 (2016-11-02) paragraphs [0002]-[0124], claims 1	3



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“E” earlier application or patent but published on or after the international filing date

“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

23 September 2018

Date of mailing of the international search report

30 September 2018

Name and mailing address of the ISA/CN

STATE INTELLECTUAL PROPERTY OFFICE OF THE
P.R.CHINA
6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing
100088
China

Authorized officer

KANG,Endai

Facsimile No. (86-10)62019451

Telephone No. 62084338

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/054947

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: **15**
because they relate to subject matter not required to be searched by this Authority, namely:
[1] Claim 15 is directed to plant propagation material, which belongs to plant varieties.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/IB2018/054947

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	106747919	A	31 May 2017	None			
CN	106068252	A	02 November 2016	WO	2015086823	A3	24 September 2015
				WO	2015086823	A2	18 June 2015
				MX	2016007734	A	14 October 2016
				EP	3080057	A2	19 October 2016
				EP	3199508	A1	02 August 2017
				CA	2933591	A1	18 June 2015
				AU	2014363415	A1	30 June 2016
				US	2017050894	A1	23 February 2017