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(73) -51368

(72) 47800 - - 21

51375 - - - 44

51375 24

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-2 28

9111 - / 62

-2930 151

-2640 68

-2920 12

-9150 135

(74)

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(54) A

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p,p-

A

p,p- A , , o,p-BPA

A(p,p-BPA 99.98% A) . Mol 402,  
 [ A(BPA) , [ : US-A 4 912 263 DE-A 3 727 641 ]  
 가 ( : 가 )  
 A 가  
 [ : DE-A 4 105 428 A/ 가 DE-A 4 313 872 ] .  
 p,p-BPA 99.60 99.90% (Hazen co  
 lour)가 20 (flake). 166 1.5 ( ) 50  
 ( 0 5) A

- (a) BPA 90% BPA , p,p- A
- (b) 10% 가 A
- (c) p,p- A 0.5%
- (d) 220 250
- (e) 1 50mbar
- (f) 2
- (g) ,
- (g,1) Mol 402,
- (g,2) , ,
- (g,3) ,
- (g,4) o,p-BPA, ,
- (g,5) , p,p- A 92% BPA
- (h) BPA 5% BPA 10%
- (i) p,p-BPA
- (j) p,p- A A p,p- A 99.98% o,p-BPA,  
 BPA (10ppm )  
 가 5 (thermocolour stability) 가 (200 )  
 가 BPA A BPA- 가  
 A o,p-BPA 10ppm

150ppm BPA, 10ppm NaBPA, BPA ( : ) o,p-BPA A  
 ). 가 A , o,p- A가 10pp  
 m A , 150ppm A  
 -BPA, A(p,p-BPA: 220 , 5hPa) , , o,p  
 , , Mol 402, p,p- A , 가 160 200 A  
 , A 가 90 % 10 % 가 A  
 , 2  
 ( 1 ) 2  
 A  
 0.1 10mbar , 2 220 250 .  
 , A ( ) ,  
 A A 99.99 % p,p-BPA 230 100ppm  
 5 (166 200) 1.5 ) . 20  
 170 가 A/ 가 A  
 10% , A ,  
 A가 A  
 A o,p-BPA(10ppm ) A  
 . o,p-BPA ( , )  
 가 BPA A ( o,p- 1 50p  
 pm ) )가 A A . A( )  
 20ppm A  
 . 가 .  
 BPA , , 가 ,  
 A ( ) ( : ) 가  
 A A 가 (NaBPA)  
 , A NaBPA , NaBPA ) ( )  
 (99.90 99.98% p,p-BPA) NaBPA  
 , BPA ). A가 (2 : 1 ) (Fe, Ni, Cr  
 가 , p,p-BPA

가 : o,p-BPA 가  
 0.1% o,p-BPA, p,p-BPA  
 A 160  
 가  
 A ( )  
 d가 10mm 0.5m가 1.2m( 50mm)  
 200mm 160  
 200 A 0.5mbar ( : 1), 1.5mbar  
 1.5:1 ( : 8 ). 가  
 BPA , BPA ( : 99.72% p,p-BPA )  
 가 2.1 1 1.5mbar , 10% 20% 2 1 , p,p-BPA  
 99.95 99.96% 50%  
 가 BPA ( 99.80% p,p-BPA) 1.5:1 가  
 30% 1 99.985% p,p-BPA (44%)  
 ( : ASTM ). 10ppm, 40ppm, 50  
 ppm p,p-Me-BPA 50ppm o,p-BPA가 1 ,  
 Mol 402 : 1 10.6% 22%; 49.2%;  
 p,p-BPA 1% : 0.8%; : 9% 1.3%.  
 BPA  
 [ 가]  
 (166 , 90 ) 5  
 p,p-BPA( ) 150g 160 1.  
 5 가 ( ) BPA 1.5 , BPA  
 BPA BPA (BPA 99.63 99.92% p,p-BPA ) . B  
 PA 96 BPA (500ml , BPA 150g,  
 100ml/h; O<sub>2</sub> , ). BPA BPA  
 BPA 96  
 NaBPA /  
 ( BPA, BPA, BPA)  
 (drop-weight method) . BPA , 0.2%  
 14.5% NaBPA ( ) A , BPA 가  
 BPA ( ) 가  
 2 , A 가 99.98 99.99% p,p-BPA ( 5 )

1 : 400ml/h; R/E: 0.5; 20ml/h; Duschi 가 : 250  
 2 R/E: 10; : 360ml/h; 20ml/h; Duschi 가 : 240  
 2 3mbar (202 210 ) 160 가 ( , )  
 160 250 165 . ( 가 )  
 200 . BPA 가 , 1 . 가 )  
 GC : 1 :  
 1 :  
 2 :  
 2 :  
 \* = / (R/E)

(57)

1.  
 (a) BPA 90% BPA , p,p- A  
 10% 가 A ,  
 (b) ,  
 (c) p,p- A 0.5% ,  
 (d) 220 250 ,  
 (e) 1 50mbar ,  
 (f) 2 ,  
 (g) ,  
 (g,1) Mol 402, ,  
 (g,2) , , ,  
 (g,3) , ,  
 (g,4) o,p-BPA, ,  
 (g,5) , p,p- A 92% BPA  
 (h) BPA 5% BPA 10%  
 (i) p,p-BPA ,  
 (j) p,p- A A  
 2.  
 1 , A가 p,p-BPA 99.98 % o,p-BPA 10ppm