Title: FCC CATALYST ADDITIVE AND A METHOD FOR ITS PREPARATION

Abstract: A process for testing a zeolite based FCC catalyst and a ZSM-5 zeolite based FCC catalyst additive for simulating commercial plant yields is disclosed in this present disclosure wherein the catalyst and the additive are subjected separately to a steaming protocol with 60 to 100% steam at a temperature in the range of 750°C to 850°C for 3 to 200 hours in order to test a catalyst and a catalyst additive deactivated under said simulated commercial plant hydrothermal deactivation conditions. The deactivated catalyst and the deactivated catalyst additive are admixed in a predetermined weight proportion. The obtained catalyst mixture is then used for cracking a hydrocarbon feed for a predetermined period of time to generate cracking data. Product yields are measured from the generated cracking data at a predetermined simulated commercial plant conversion of the hydrocarbon feed.