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(54) Title: **SPRAY-DRIED STARCH HYDROLYSATE AGGLOMERATE PRODUCT AND METHOD FOR PREPARING A
SPRAY-DRIED STARCH HYDROLYSATE AGGLOMERATE PRODUCT**

(57) Abstract: The invention relates on the one hand to a spray-dried starch hydrolysate agglomerate product having the following properties: a dextrose equivalent (DE) between 5 and 35, a moisture content of < 6% by weight, an unpacked bulk density between 0,4 and 0,6 g/cm³, a compressibility of less than 10%, a particle size distribution whereby less than 5% by weight is bigger than 500 micron and less than 5% by weight is smaller than 53 micron, an average particle size of between 150 - 250 micron, a mechanical stability of > 95%, a static angle of repose (SAOR) of less than 45°, as a measure for flowability; and a dissolution speed of < 180 seconds. On the other hand, the invention relates to a method for preparing a spray-dried starch hydrolysate agglomerate product in a spray-drying tower, comprising spraying a liquid material onto a solid powder material, whereby the liquid material is atomised by means of one or more two-fluid nozzles using a fluid for heating and conveying this material, and whereby the agglomerated spray-dried starch hydrolysate is produced by injecting the solid powder material in the top of the drying tower in such a way that the trajectory of the powder crosses the spray pattern of the atomised liquid material, and wherein the liquid material which is atomised by one or more two-fluid nozzles is a starch hydrolysate solution, whereby this starch hydrolysate solution is atomised using steam as said fluid.



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