

Title (en)

Process for preparing an alpha crystalline anhydrous dextrose of high purity

Title (de)

Vefahren zur Herstellung von hochreiner alphakristalliner wasserfreier Dextrose

Title (fr)

Procédé de préparation d'un dextrose cristallin alpha anhydre de haute pureté

Publication

EP 1041161 B1 20040519 (FR)

Application

EP 00400882 A 20000330

Priority

FR 9904178 A 19990402

Abstract (en)

[origin: EP1041161A1] Anhydrous crystalline alpha -dextrose (I) is prepared by preparing a starch hydrolyzate; subjecting the product to nanofiltration on a membrane, to give a syrup of high glucose content as permeate; concentrating the syrup to solids and crystallizing by evaporation to give (I) crystals. Preparation of anhydrous crystalline alpha -dextrose (I) involves: (a) preparing a starch hydrolyzate; (b) subjecting the product to nanofiltration on a membrane, to give a syrup of high glucose content as permeate; (c) concentrating the syrup to a solids content of at least 70 wt. % glucose at 50-110 degrees C; (d) crystallizing by evaporation and stirring to give a crystalline mass containing at least 30 wt. % crystals; and (e) separating, recovering and drying the obtained (I) crystals.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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