

Title (en)

METHOD FOR PRODUCING GLUTEN-FREE FLOUR MADE OF APPLE POMACE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GLUTENFREIEM MEHL AUS APFELTRESTER

Title (fr)

PROCÉDÉ DE PRODUCTION DE FARINE SANS GLUTEN À PARTIR DE MARC DE POMME

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020027683A1] The present invention relates to the industrial process for the production of apple pomace flour (peel, seed, stem and pulp) after juicing. Dry apple pomace with low water content (4-6%) and activity (0.2 - 0.4) obtained by dehydration (chamber temperature of 40 - 55 °C, time 6 - 8h) allows grinding without agglutination. Grinding affords permanent, non-hygroscopic Apple Pomace Flour (APF). Flour has distinct apple flavor and scent, high content of dietary fibers (DF) (35 - 50%) and antioxidants (AO), as well as high Water Holding Capacity (5.4 - 6.5 g/g) and Oil Holding Capacity (1.2 - 1.7 g/g). Used as an ingredient in gluten-free or functional products that do not comprise or have a lower percentage of allergens for individuals intolerant to gluten, APF compensates for the lack of DF and antioxidants in the diet. It is used also as a dietary preparation, whose optimal daily dose is determined by an in vivo study, confirming a positive effect on regulation of glucose and lipid metabolism.

IPC 8 full level

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