

Title (en)

FOOD GRADE NATIVE RAPESEED PROTEIN ISOLATE AND PROCESS FOR OBTAINING IT

Title (de)

RAPSPROTEINISOLAT IN LEBENSMITTELQUALITÄT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ISOLAT DE PROTÉINES DE COLZA NATIVES DE QUALITÉ ALIMENTAIRE ET PROCÉDÉ POUR L'OBTENIR

Publication

EP 3481215 A1 20190515 (EN)

Application

EP 17734755 A 20170706

Priority

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- EP 2017066870 W 20170706

Abstract (en)

[origin: WO2018007491A1] The present invention is directed to a native rapeseed protein isolate comprising 40 to 65 wt.% cruciferins and 35 to 60 wt.% napins and having a solubility of at least 88% over a pH range from 3 to 10 at a temperature of 23±2°C with a microbe level of less than 1,000 CFU/g. The use of the native rapeseed protein isolate in food products or pet food products is claimed. A process for obtaining a native rapeseed protein isolate comprising the following steps is also claimed: i) mixing cold-pressed rapeseed oil meal with an aqueous liquid at a temperature of from 45 to 65°C; ii) separation of the aqueous liquid from the mixture obtained in step i); iii) decreaming of the aqueous liquid obtained in step ii); iv) adjusting the pH of the decreamed aqueous liquid obtained in step iii) to neutral by adding acid or base, and mixing with a precipitant to obtain a precipitate; v) removing the precipitate obtained in step iv) to obtain an aqueous liquid; vi) concentrating and washing the aqueous liquid obtained in step v); vii) isolating native rapeseed protein isolate from the concentrated and washed aqueous liquid obtained in step vi) by means of drying.

IPC 8 full level

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CPC (source: EP)

A23J 1/14 (2013.01); **A23K 20/147** (2016.05); **A23L 33/185** (2016.07); **A23V 2002/00** (2013.01)

Citation (search report)

See references of WO 2018007491A1

Cited by

EP3481218B1; EP3481217B1; EP3481216B1; EP3481216B2

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