

Title (en)
COMPOSITION OF COAGULATED POACEAE PLANT PROTEINS

Title (de)
ZUSAMMENSETZUNG VON KOAGULIERTEN POACEAE-PFLANZENPROTEINEN

Title (fr)
COMPOSITION DE PROTEINES VEGETALES COAGULEES DE POACEAE

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Abstract (en)
[origin: WO2020152153A1] The present invention relates to a method for preparing a plant protein composition comprising coagulated plant proteins. The method comprises the steps of (a) suspending a plant material in an aqueous solution, preferably water; (b) separating the fraction of proteins A comprising the water-soluble proteins from the fraction B comprising the insoluble proteins; (c) optionally adjusting the pH of fraction A, thereby causing precipitation; (d) sedimenting the insoluble portion of fraction A from step (c); (e) recovering the supernatant; (f) optionally adjusting the pH of the supernatant obtained in step (e); (g) coagulating the plant proteins of the supernatant obtained in step (e) or (f) by heating the supernatant to a temperature of about 60 to about 150 °C, which creates a suspension comprising a fraction of coagulated proteins A'; (h) recovering the fraction of proteins A' comprising the coagulated plant proteins; (i) mixing the fraction of proteins A' with the fraction of proteins B; and (j) drying the mixture obtained in step (i), which leads to a dry mixture of plant proteins. The method may further comprise steps of extruding and granulating the composition obtained. The invention also relates to the compositions and granules comprising coagulated plant proteins as well as the use thereof for human or animal foodstuffs.

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