

Title (en)

A PROCESS FOR PRODUCING MICROCAPSULES COMPRISING AN ACTIVE COMPONENT ENCAPSULATED, PROTECTED AND STABILISED WITHIN A PROTEIN SHELL

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIKROKAPSELN ENTHALTEND EINE AKTIVE SUBSTANZ, DIE IN EINER PROTEINHÜLLE VERKAPSELT, GESCHÜTZT UND STABILISIERT IST.

Title (fr)

PROCÉDÉ DE PRODUCTION DE MICROCAPSULES RENFERMANT UN COMPOSÉ ACTIF ENCAPSULÉ, PROTÉGÉ ET STABILISÉ À L'INTÉRIEUR D'UNE COQUE PROTÉINIQUE

Publication

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Application

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Abstract (en)

[origin: WO2014198787A1] A process for producing microencapsulates comprising an active component such as creatine encapsulated within a polymerised hydro lysed whey protein matrix is described. The method comprises the steps of providing a suspension of hydro lysed whey protein and an active component in a carboxylic ester, treating the suspension to generate droplets of the suspension, and immediately curing the droplets by immersion in a basic curing solution, wherein the ester in the suspension reacts with the basic curing solution to release a salt that polymerises the hydrolysed whey protein encapsulating the active component in the presence of black pepper extract, glycerol, phosphate and optionally, astaxanthin and alpha lipoic acid.

IPC 8 full level

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CPC (source: EP US)

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