

Title (en)
SOLID AND STABLE CREATINE/CITRIC ACID COMPOSITION(S) AND COMPOSITIONS CONTAINING CARBOHYDRATE(S) OR HYDRATES THEREOF, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)
FESTE UND STABILE KREATIN/CITRONENSÄURE-ZUSAMMENSETZUNG(EN) UND KOHLENHYDRATE(E) BZW. DEREN HYDRATE ENTHALTENDE FORMULIERUNG, VERFAHREN ZU IHRER HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)
FORMULATION SOLIDE ET STABLE CONTENANT AU MOINS UN COMPOSE DE TYPE CREATINE/ACIDE CITRIQUE ET AU MOINS UN GLUCIDE OU LEURS HYDRATES, SON PROCEDE DE PRODUCTION ET SON UTILISATION

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Abstract (en)
[origin: WO03047367A1] The invention relates to solid and stable creatine/citric acid composition(s) and formulations containing carbohydrate(s) or the hydrates thereof, whereby the weight ratio between the components creatine/citric acid composition(s) and the carbohydrate(s) ranges from 1:0.01 to 1.0. Any polyhydroxy aldehyde or polyhydroxy ketone can be used as a carbohydrate component in an anhydrous form, as hydrate, or as a moist product. The creatine component is preferably used in an anhydrous form or in an aqueous, alcoholic, or organic solution. The formulations are preferably produced by converting the carbohydrates in the form of solutions, suspensions, or as a solid substance with the creatine/carbohydrate composition or the solution thereof at a temperature of -20 to 120 DEG C, and by optionally isolating the liquid phase. Alternatively, the formulations are produced by thermal conditioning, ultrasound or microwave conditioning of mixtures containing the creatine component and solid carbohydrates, preferably in a vacuum. The resulting creatine/citric acid compositions and formulations containing carbohydrate can be used for endurance enhancement and strength enhancement in sports, for reducing weight and body fat, in the health sector, for women when feeling sick, or as a supplement in animal foods.

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