

Title (en)

REDUCED FAT WHEY PROTEIN CONCENTRATE AND METHOD OF MANUFACTURE

Title (de)

REDUZIERTES MOLKENPROTEINKONZENTRAT SOWIE VERFAHREN ZUR HERSTELLUNG

Title (fr)

CONCENTRE PROTEIQUE DE LACTOSERUM A FAIBLE TENEUR EN GRAISSE ET PROCEDE DE PREPARATION

Publication

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Application

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Abstract (en)

[origin: WO0108502A1] This invention relates to reduced fat whey protein concentrate (WPC) and a method of producing such a WPC. The method of the invention involves concentrating the solids content of whey to produce an intermediate WPC, diluting the intermediate WPC with water to an ionic strength no greater than a preselected ionic strength, adjusting the pH of the diluted intermediate WPC to within the range 3.8 to 5.0, holding the pH at that level for a period to optimise formation of a floc, and removing the floc to leave a reduced fat WPC supernatant. The resulting WPC has a fat content of  $\leq 4\%$ , and preferably  $\leq 1\%$ . The method has particular application for producing a reduced fat WPC from sweet whey which has functional characteristics similar to those of a conventional WPC derived from acid whey. In addition, the method may produce a reduced fat WPC, from acid or sweet whey having functional characteristics and a composition similar to those of a whey protein isolate (WPI).

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