

The invention relates to the dairy industry, namely to a method for producing a milk whey protein-mineral concentrate (PMC) enriched in beta-lactoglobulin (β -Lg).

The method, according to the invention, comprises cooling of the whey to a temperature of 10...14°C, separation from casein dust, periodic electroactivation of the whey in the cathode cell of an electrolyzer with a cationic ion-selective membrane, by cyclically supplying the electrolyzer with direct current with the cycle duration of 60 s and an interval between cycles of 10 s, at a current density of 10.0...20.0 mA/cm², for 5...10 min, up to a temperature of 15...20°C, by supplying a solution of calcium chloride with a concentration of 2% to the anode cell, separation of the foamy phase of whey from the liquid phase, collection of protein-mineral concentrate, by centrifugation, from the foamy phase at pH values of 8.00...11.00, after which the protein-mineral concentrate is dried at temperatures excluding thermal denaturation of proteins, and the deproteinized whey is directed to further processing for the separation of lactulose.

Claims: 1

Fig.: 1