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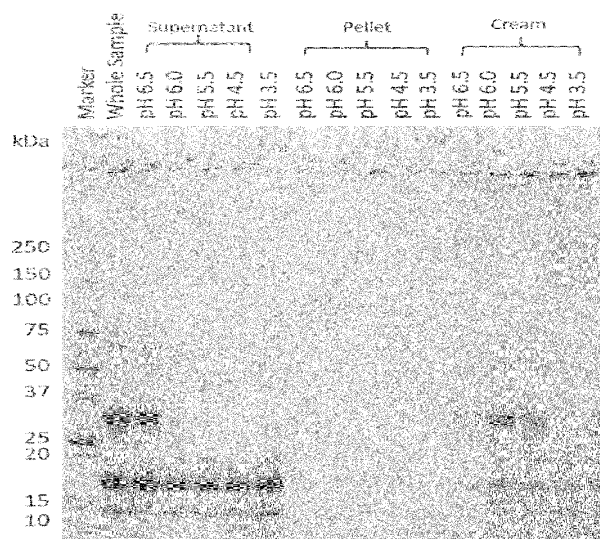
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(54) Title: NUTRITIONAL COMPOSITION

Figure 6 SDS-PAGE electrophoretograms of the nutritional composition of Example 3



(57) **Abstract:** Nutritional compositionThe invention relates to a synthetic nutritional composition comprising carbohydrates, protein and a fat composition, wherein:(a) the nutritional composition has a total calcium content on dry matter of at least 3.5 g/kg;(b) the protein comprises casein; (c) the nutritional composition has a content of protein-bound calcium of 7.5 mmoles or less per 10 grams of casein; and(d) the ratio NPN to TN is 0.7 or less, with:- NPN meaning non-protein nitrogen in the nutritional composition in grams per 100 grams of nutritional composition (g/100 g); and- TN meaning total nitrogen (TN) in the nutritional composition in g/100 g; (e) the fat composition comprises triglycerides and the triglycerides comprise palmitic acid residues which make up more than 10% (w/w) of all fatty acid residues present in the triglycerides;(f) at least 10 % of the palmitic acid residues in the triglycerides being in the Sn2 position of the triglycerides. The invention further relates to a process for the preparation of the nutritional composition in

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powder form and to the composition for use in the prevention of gut discomfort and constipation in human subjects, in particular human subjects of 0 to 36 months of age.