

The Milk Peptide [PeptoPro](#)[®] as a New Ingredient for Functional Beverages

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Summary

[PeptoPro](#)[®] is a hydrolysate, peptides, produced from casein protein by a new, patented protease. [PeptoPro](#)[®] contains only short chain peptides (with an average length of less than 4 amino acids, mainly, di- and tri-peptides), which are low in bitterness and water soluble, providing a new drinkable source of protein. [PeptoPro](#)[®] contains all 20 amino acids in a good ratio for health because the well-balanced amino acid profile of casein is retained, the advantage with the hydrolysate being the possibility of making cleartranslucent protein drinks, which can not be made with casein itself. Additionally, [PeptoPro](#)[®] has low allergenicity. In terms of functionality, effects on recovery from fatigue after exercise were ascertained in clinical tests conducted at the Maastricht University in Netherlands. [PeptoPro](#)[®] eliminates many of the technical problems and physiological side effects with proteins, other protein hydrolysates, and amino acids, while providing particular advantages.