



Skim Milk Powder - Specification

Milk in powdered form is obtained through the spray drying process. It has a uniform composition and colour, free of hard lumps and brown particles visible to the naked eye.

Physical Analysis	Typical analysis (as is)	Guaranteed content (as is)	Nutritional value	
			Per 100 g	Units
Acidity	0,12%	Min 0,11% - Max 0,15%	Calories	374,54
Scorched particles	1	Max 2 (15,0 mg)	Fat	0,78 g
Color	White to white- cream	-	Saturated	0,46 g
Flavour	Typical, neutral	-	+ trans	0,02 g
Solubility	0,1 ml / 50 ml	(1) Max 1,0 ml/50ml	Cholesterol	4,10 mg
Chemical Analyses			Sodium	380,60 mg
Moisture	3,8%	Potassium	Potassium	1656,2 mg
Fat	0,8%	Max 1,2%	Carbohydrates	56,77 g
Protein (N * 6,38)	35,0 %	Min 34%	Fibres	0,00 g
Ash	7,9%	-	Sugars	50,10 g
Lactose (par difference)	52,0%	-	Proteins	35,11 g
WPN Index	Low Heat	> 6,0 mg/ g unden.whey prot.	Vitamin A	3,30 ER
	Medium Heat	1,5 – 6,0 mg/ g unden.whey prot.	Vitamin C	0,00 mg
	High Heat	< 1,5 mg/g unden whey.prot	Calcium	980,40 mg
	High Heat Stable	< 1,5 mg/g unden whey.prot/ stable 30min 120C	Iron	0,80 mg
Microbiological Analyses				
Total plate count	< 10 000 cfu /g	< 50 000 cfu /g		
Coliform	< 10 cfu /g	< 10 cfu /g		
Salmonella	Absent / 500g	Absent / 500g		
E. Coli	< 3 cfu /g	< 3 cfu /g		
DMC (Direct micros count)	Max 100 M	Max 100 M		

(1): Solubility Index for "High Heat Temperature" powder < 2,0 ml

Packaging: 25 kg (55 lb) multi-layer bag made up of 4 paper layers and a separate inside lining made of 3 mil thick polyethylene, tied with a cord and a gooseneck. Bags are stacked 50 per pallet configuration. Also available in a 1 100 kg non returnable big bag.

Storage: Keep in a clean, cool (10 - 25°C) and dry (Rel. Hum < 65%) place for optimum quality, stability and flavor of the product. Avoid environment with direct sunlight, open air for long period of time and strong odors.

Shelf life: Shelf life is 18 months from the date of manufacture. Shelf life will be enhanced through recommended storage / conditions.

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