

Grade A Milk Protein Concentrate 70% Specification

Grade A Milk Protein Concentrate 70% is a spray dried, free flowing milk protein and is an equivalent replacement for conventional nonfat dry milk. MPC70 is made by processing Grade A skim milk by ultrafiltration, which removes a portion of the lactose. The resulting concentrated milk proteins are subjected .to evaporation and spray drying. This product is manufactured in the USA

Chemistry Parameters	Analysis	Method	Allergen	Milk (Bovine)
Protein	≥ 69.5%	FT-NIR/AOAC 991.20		Wilk (BOVITIC)
Moisture	≤ 6.00%	FT-NIR/ADPI	Regulatory Compliance	
Fat	≤ 2.00%	FT-NIR/AOAC 989.05		
Lactose	≤ 19.0 %	Calculation	CODEX 🗸	Gluten Free
Scorched Particles	7.5 to 15 mg	ADPI (Disc A or B)	GFSI (SQF) ✓ Vegetari Halal ✓ Kosher	
Solubility Index	≤ 1.00	SMEDP 15.171		Kosher 🗸
Ash	<i>≤</i> 7.5%	SMEDP 15.041	Storage	
pH Bulk Density Antibiotic Residues	6.5-7.1	SMEDP 15.022	Product should be stored in a	uld be stored in a
	≥ 0.41 g/ml	USP	cool (≤25°C), dry (≤RH 65%) place protected from foreign	
	Negative	Charm SL3		
Microbiological Parameters			odors & other contaminants.	
Standard Plate Count	≤ 30,000 cfu/g	SMEDP 6.020		
Coliforms	< 10 cfu/g	SMEDP 7.020	Shelf Life	
Salmonella	Negative/375g	ANSR/AOAC 2013.14	<i>J J</i>	
Staphylococcus aureus	Negative	AOAC 17.5.09	Under proper storage conditions, the shelf life of this product is 24 months.	
E. coli	Negative	SMEDP 7.074		
Listeria	Negative	ANSR/AOAC 2013.14		
Yeast & Mold	≤ 50 cfu/g	SMEDP 8.111		
Nutritional Proximates (per 100g)			Packaging	
Calories Protein	358.40kcal	Vitamin A <25.00IU	20kg (net weight) Multiwall kraft bags with polyethylene inner liner or another approved closed	
	69.89g	Vitamin C 12.55mg		
Total Fat	1.06g	Vitamin D <6 IU		
Water	4.66g	Calcium 1923.46mg	container, palletized on Heat Treated pallets.	
Carbohydrates	17.34g	Iron <1.00mg		
Dietary Fiber	<0.50g	Sodium 181.02mg		
Ash	7.07g	Cholesterol 56.89mg		

Sensory & Physical Standards

Appearance / Color Powder, free of lumps / White to light cream Flavor / Odor Clean, bland, sweet / Fresh, no off odors

Spec - $0021\,MU70C$ Rev. 07/27/2022Reviewed: Dave KedzierskiSS. 01/31/2021SVP, Business TransformationSS. = Supersedes