

Grade A Low Heat Nonfat Dry Milk Export Specification

Grade A Low Heat NFDM is spray dried nonfat milk which has been subjected to a low heat treatment. It contains lactose, milk proteins, and milk minerals in the same relative proportions as they occur in fresh milk. It is made from fresh, pasteurized nonfat milk to which no preservative, alkali, neutralizing agent, or other chemical has been added. This product is made from 100% milk and manufactured in the USA.

<i>Chemistry Parameters</i>	<i>Analysis</i>	<i>Method</i>	<i>Allergen</i>	Milk (Bovine)
Protein (as is)	≥ 34%	FT-NIR/AOAC 991.20		
Moisture	≤ 4.00%	FT-NIR/ADPI		
Fat	≤ 1.25%	FT-NIR/AOAC 989.05		
Titratable Acidity	≤ 0.15%	SMEDP 15.021		
Scorched Particles	7.5 to 15 mg	ADPI (Disc A or B)		
Solubility Index	≤ 1.00%	SMEDP 15.171		
Whey Protein Nitrogen	≥ 6.00	SMEDP 15.134		
Nitrate	≤ 50/g	EMD		
Antibiotic Residues	Negative	Charm SL3		
<i>Microbiological Parameters</i>			<i>Regulatory Compliance</i>	
Standard Plate Count	< 10,000 cfu/g	SMEDP 6.020	CODEX	Gluten Free ✓
Coliforms	< 10 cfu/g	SMEDP 7.020	GFSI (SQF) ✓	Vegetarian ✓
Salmonella	Negative/375g	ANSR/AOAC 2013.14	Halal	Kosher ✓
Staphylococcus aureus	Negative	AOAC 2003.08		
Yeast and Mold	≤ 50 cfu/g	SMEDP 8.110		
<i>Nutritional Proximates (per 100g)</i>			<i>Shelf Life</i>	
Calories	362kcal	Vitamin A 22 IU	The product should be stored in a cool (≤25°C), dry (≤RH 65%) place protected from foreign odors & other contaminants.	
Protein	36.2g	Vitamin C 6.8 mg	<i>Shelf Life</i>	
Total Fat	0.77g	Vitamin D 11µg	Under proper storage conditions, the shelf life of this product is 12 months.	
Water	3.16g	Calcium 1257mg	<i>Packaging</i>	
Carbohydrates	51.98g	Iron 0.32mg	25kg (net weight) Multiwall kraft bags with polyethylene inner liner or another approved closed container, palletized on HT pallets.	
Dietary Fiber	0g	Sodium 535mg		
Ash	7.93	Cholesterol 20mg		

Sensory & Physical Standards

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

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Kedzierski SS. 01/31/2022
SVP, Business Transformation SS. = Supersedes