



Since 1960

Product Specification

TITLE: Export Skim Milk Powder - High Heat	PRODUCT NUMBER: 6149
PACKAGE TYPE: 25 KG Bag	CREATED BY: B. Koenig

REVISION DATE: 1/02/08
APPROVAL SIGNATURES: Ronald Thompson, Ph.D. Kamala DeVries: Rich Lewis:

Description

Spray dried Export Skim Milk Powder High Heat is the powder resulting from the removal of the fat and water from fresh milk. The product shall be made from fresh, sweet milk to which no preservative, alkali, neutralizing agent or other chemical has been added and which has been pasteurized. Milk proteins, milk permeate or lactose may be added to standardize protein concentration.

Ingredient Statement

Milk

Allergen Statement

Contains milk

Regulatory Reference

Codex Standard 207-1999

Chemical Standards

Parameter	Units	Min	Max	Frequency	Method	Required on C of A
Protein (as is basis)	% m/m	32.4		1 per 45 MT	Kjeldahl/NIR	Yes
Protein (SNF basis)	% m/m	34.0		Not required		
Fat	% m/m		1.25	1 per 9 MT	Mojonnier/NIR	Yes
Moisture	% m/m		4.0	1 per 9 MT	IDF/NIR	Yes
WPNI Note: Or heat treatment equivalent.	mg/g		1.50	1 per 45 MT	SMEDP/AOAC	Yes
Titratable Acidity	% m/v		0.15	1 per 45 MT	SMEDP	Yes
Antibiotic Residues		Not Detected		Each tanker raw milk	Charm SL	No



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Nitrates	mg/kg		150	1 per day (startup)	14673-3 IDF 189-3 ISO FDIS	Yes
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Physical Standards

Parameter	Units	Min	Max	Frequency	Method	On C of A
Insolubility Index	ml		1.0	1 per 45 MT	ADPI	Yes
Scorched Particles	/25 g		B	1 per 9 MT	ADPI	Yes

Microbiological Standards

Parameter	Units	Min	Max	Frequency	Method	On C of A
Aerobic Plate Count (APC)	cfu/g		50,000	1 per 9 MT	Petrifilm	Yes
Coliforms	cfu/g		<10	1 per 9 MT	Petrifilm	Yes
Yeasts and Mold	cfu/g		50	1 per 45 MT	Petrifilm	Yes
Coag. Pos. Staph	cfu/g		Not Detected	1 per 45 MT	NZTM 47.2	Yes
Salmonella	/750 g		Not Detected	1 per 45 MT	FDA - BAM	Yes
Staphylococcus Toxin			Not Detected	1 per 45 MT	ELISA Vidas	No

Sensory Standards

Sensory	3 max, using 0-5 scale
Flavor and Aroma	Fresh, bland, slightly sweet
Color	White to light cream
Appearance	Powder, no lumps

Shelf Life and Storage

Store in cool, dry conditions.
24 months at 30°F or less, and humidity of 65% or less

Packaging

Approved 25 KG Kraft bags with poly liners.
Staples or metal fasteners are not acceptable.



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Labeling

All packaged powder must be identified with legible markings to provide product traceability and at minimum must include the following:

Type of product, plant number, lot number, sublot number, bag number.

And as much of the following as possible to provide complete traceability: line number, dryer designation, silo number.

For standardized product, the words "For Export Only" must appear on the package, this is not required for NFDM or non standardized product.

Retain samples

Samples to be held for a minimum of 1 year.

Change Log

Date	Description of Revision
1/2/08	Initial Release - DA Format