



Hilmar 5100 Refined Edible Natural Lactose

Hilmar 5100 is a crystalline alpha monohydrate lactose manufactured using a crystallization and purification process operated under strict food hygiene standards. This refined edible lactose has consistent quality, purity and color, which suits its use in a variety of finished foods products where good flow is required.

FEATURES / BENEFITS

- Superior Consistency, Purity and Clarity
- Natural Carbohydrate
- Reduces Sweetness When Replacing Sugar
- Lowers Water-Activity
- Flow Agent
- Non-GMO (our products are not manufactured with genetically engineered components)

FOOD SAFETY & CERTIFICATION

- Produced in a GFSI-Certified Facility
- SEDEX Registered
- Kosher  and Halal Certified
- EU Compliant
- FDA Registered
- Made with milk from cows not treated with rBST*
- Made in the USA

PHYSICAL CHARACTERISTICS

Hilmar 5100 Refined Edible Natural Lactose is a free flowing, off-white, slightly yellow crystallized powder. A 2% solution is slightly sweet without foreign flavors or odors. It is water-soluble.

Typical Particle Size	Typical %
USS 60# (passing)	75 \pm 10

NUTRITIONAL VALUES

Composition	Specification	Test Method
Lactose Monohydrate (%)	99.4 min	Calculation
Loss of Drying (%)	0.3 max	USP
Total Protein (%)	0.3 max	AOAC
Residue on ignition (%)	0.3 max	USP
pH	4.0 - 7.0	10% Sol. at 20°C
Scorched Particle (mg/25g)	7.5	SMEDP

Microbiology	Specification	Test Method
APC (CFU/g)	500 max	SMEDP
Coliforms (CFU/g)	<10	AOAC
E. Coli (CFU/g)	<10	AOAC
Salmonella (750g)	Negative	AOAC
Yeast (CFU/g)	50 max	AOAC
Mold (CFU/g)	50 max	AOAC
Coagulase Positive Staph (CFU/g)	<10	AOAC
Listeria (25g)	Negative	AOAC

PACKAGING

25 kg heat-sealed, multi-wall kraft bag with inner polyethylene bag liner.

1000 kg poly woven bag with inner polyethylene bag liner.

STORAGE / SHELF LIFE

Shelf life is two years from the date of manufacture. Recommended storage is between 10-25 °C and a relative humidity lower than 75%. Store away from aromatic materials.

RECOMMENDED LABEL

Refined Lactose (milk)

ORDERING INFORMATION

BAG SIZE	PART CODE	SHIPPING POINT
25 kg	350008	Hilmar, CA USA
1000 kg	350015	Hilmar, CA USA

**No significant difference has been shown between milk derived from rBST-treated and non-rBST-treated cows.*

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