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Typical Product Specifications & Properties

Lactose

CAS Number: : 63-42-3

Specifications	Limits
Density	1.525 (20 c)
Slightly Soluble	in alcohol
Protein	0.1 %
Coliform	Negative
Moisture	99.5 %
Ash	0.15 %
Color	Light Cream to White
Loss on Drying	0.1 %
Salmonella	Negative
Appearance	Crystalline Powder
E. Coli	Negative
Standard Plate Count	< 100 CFU/g



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415 Huguenot Street, New Rochelle, New York 10801



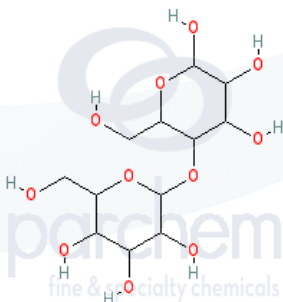
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Specifications	Limits
Melting Point	203.5 c (dec.)
Odor	wh. hard cryst. mass or wh. powd., odorless to sl. char. odor but readily absorbs odors, mildly sweet
Molecular weight	342.34
Solubility	water, alcohol, ether
Boiling Point	(dec.)
Chemical Structure	 <p>The chemical structure shows a six-membered pyranose ring with hydroxyl groups at the 2, 3, and 6 positions. The 4-position is substituted with a hydroxymethyl group (-CH₂OH). The structure is drawn in a chair conformation with axial hydroxyl groups at C2 and C6, and equatorial hydroxyl groups at C3 and C4. The hydroxymethyl group at C4 is also in an equatorial position.</p>



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