



25957

Lactose Monohydrate ACS

Part A

CAS : 10039-26-6, 64044-51-5

Molecular Formula : C₁₂H₂₂O₁₁.H₂O

Molecular Weight : 360.31

Specifications

Appearance (Colour)	White
Appearance (Form)	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear
Solubility (Colour) 10% aq. solution	Colourless
Sulphated Ash	max. 0.05%
Chloride (Cl)	max. 0.005%
Sulphate (SO ₄)	max. 0.005%
Iron (Fe)	max. 0.0002%
Heavy Metals (Pb)	max. 0.0001%
Copper (Cu)	max. 0.00005%
Arsenic (As)	max. 0.0001%
Nitrogen Compounds (N)	max. 0.02%
Acidity	max. 0.25ml N%
Specific Rotation [α] _D (Anhydrous basis)	+54.4° to +55.9° (C = 10, water)
Specific rotation [α] _D (As is basis)	+52° to +52.8° (C = 10, water)
Water (KF)	4.8 - 5.4%
Absorbance (A) of 1% aq. solution in a 1cm cell v/s H ₂ O	
@210-220nm	max. 0.25
@270-300nm	max. 0.07

General Information

Storage	25 to 40°C (Room Temperature)
Shelf Life	60 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
5 Kg	17021110 (GST 18%)
500 Gms	17021110 (GST 18%)
Type of Packing	
5 Kg	Plastic Drum
500 Gms	Plastic Bottle

Available Packages

500 Gms

5 Kg

Disclaimer

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