

Specification

Technical Data Sheet

CAS**69-65-8****STORAGE****Ambient****MOLECULAR WEIGHT****182.17 g/mol****PRODUCT****D-Mannitol - Ph. Eur, BP, USP grade**

Product number	90036733
CAS number	69-65-8
Molecular formula	C ₆ H ₁₄ O ₆
Molecular weight	182.17 g/mol g/mol

PARAMETER**SPECIFICATION**

Appearance	White crystalline powder
Assay	98.0 - 102.0%
Heavy metals	≤5ppm
Loss on Drying	≤0.5%
Melting Point	165°C ~ 170°C
Salmonella	Negative
Specific rotation	+23° ~ +25°
Appearance of Solution	Clear and colourless
Bacterial endotoxins	≤2.5 IU/g
Conductivity	≤20us/cm
Escherichia coli	Negative
Maltitol and Isomalt	≤2.0%
Solubility	Freely soluble in water, practically insoluble in ethanol
TLC	Conforms to structure
Identification (IR)	Conforms to structure
Nickel (Ni)	≤1ppm

PARAMETER	SPECIFICATION
Reducing Sugars	≤0.1%
Related substances, total impurities	≤2.0%
Sorbitol	≤2.0%
Staphylococcus Aureus	Negative
TAMC	≤100 CFU/g
TYMC	≤100 CFU/g
Unknown impurities	≤0.10%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.
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