

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

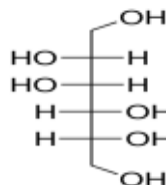
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
D-Mannitol - meets EP, FCC, USP testing specifications

Product Number: M8429
CAS Number: 69-65-8
MDL: MFCD00064287
Formula: C₆H₁₄O₆
Formula Weight: 182.17 g/mol



TEST	Specification
Identification Test A (FCC)	Pass
Identification Test B (FCC)	Pass
Loss on Drying	≤ 0.3 %
Assay	96.0 - 101.5 %
Dried basis per FCC	
pH	4.0 - 7.5
Residue on Ignition	≤ 0.1 %
Recommended Retest Period	-----
6 years	
Lead (Pb)	≤ 1 ppm
Reducing Substances	Pass
Sugars	
Initial Melting Point	≥ 165 °C
Final Melting Point	≤ 170 °C
Assay	97.0 - 102.0 %
(Dried basis) per USP and EP	
Identification	Pass
(USP and EP)	
Residual Solvents USP 467	Meets Requirements
Appearance	Pass
White or almost White, Crystalline powder or Free-flowing granules.	
Appearance of Solution	Pass
Clear and Colorless	
Related Substances	Pass
Nickel (Ni)	≤ 1 ppm

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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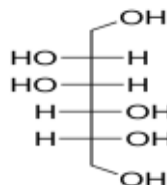
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**TEST****Specification**

Conductivity (μS/cm)

≤ 20

Specification: PRD.7.ZQ5.10000015013

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