

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

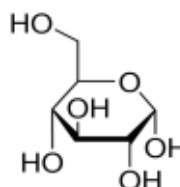
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Dextrose – meets EP, BP, JP, USP testing specifications, anhydrous

Product Number: **D9434**
CAS Number: 50-99-7
MDL: MFCD00063774
Formula: C₆H₁₂O₆
Formula Weight: 180.16 g/mol



TEST

Specification

Appearance (Color)	White
Appearance (Form)	Crystals or Crystalline Powder
Water (by Karl Fischer)	≤ 1.0 %
Loss on Drying	≤ 0.5 %
Arsenic (As)	≤ 1.3 ppm
Residue on ignition (Ash)	≤ 0.1 %
Soluble Starch, Sulfites	Pass
Dextrin	Pass
Identity	Pass
Acidity	Pass
Chloride	Pass
< = 180 ppm	
Sulfate	Pass
< = 0.024%	
Heavy Metals	< or = 4 ppm
Assay	≥ 99.5 %
Clarity & Color of Solution	Pass
Residual Solvents	Meets Requirements
Conductivity	< 20 μS/cm
Related Substances	Pass
Assay (Anhydrous Basis)	97.5 - 102.0 %
Recommended Retest Period	-----
6 years	
Specific Rotation (anhydrous)	52.5 - 53.3 °
(+)	

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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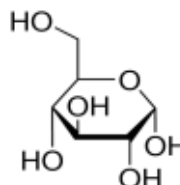
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