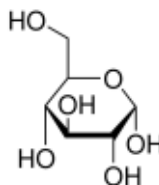


Certificate of Analysis

Product Name:

Dextrose - meets EP, BP, JP, USP testing specifications, anhydrous

Product Number: D9434
Batch Number: SLCM4762
Brand: SIGMA
CAS Number: 50-99-7
MDL Number: MFCD00063774
Formula: C₆H₁₂O₆
Formula Weight: 180.16 g/mol
Quality Release Date: 15 FEB 2022
Recommended Retest Date: FEB 2028



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Crystalline Powder	Crystalline Powder
Water (by Karl Fischer)	≤ 1.0 %	0.0 %
Loss on Drying	≤ 0.5 %	0.1 %
Arsenic (As)	≤ 1.3 ppm	< 1.3 ppm
Residue on ignition (Ash)	≤ 0.1 %	0.1 %
Soluble Starch, Sulfites	Pass	Pass
Dextrin	Pass	Pass
Identity	Pass	Pass
Chloride	Pass	Pass
< = 180 ppm		
Sulfate	Pass	Pass
< = 0.024%		
Acidity	Pass	Pass
Heavy Metals	< or = 4 ppm	< 4 ppm
Assay	≥ 99.5 %	100.5 %
Specific Rotation (anhydrous) (+)	52.5 - 53.3 °	52.7 °
Residual Solvents	Meets Requirements	No residual solvents are present
Conductivity	≤ 20 μS/cm	1 μS/cm
Related Substances	Pass	Pass
Assay (Anhydrous Basis)	97.5 - 102.0 %	100.2 %

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.



Certificate of Analysis

Product Number: D9434
Batch Number: SLCM4762

Test	Specification	Result
Clarity & Color of Solution	Pass	Pass



Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

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