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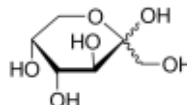
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

D-(–)-Fructose – meets USP testing specifications

Product Number: F9048
Batch Number: SLBH7787V
Brand: SIGMA
CAS Number: 57-48-7
MDL Number: MFCD00148910
Formula: C₆H₁₂O₆
Formula Weight: 180.16 g/mol
Quality Release Date: 03 OCT 2013
Date Retested: 21 JUL 2016
Recommended Retest Date: JUL 2019



Test	Specification	Result
Identity	Pass	Pass
Acidity < or = 0.50 mL	Pass	Pass
Color of Solution	Pass	Pass
Loss on Drying	≤ 0.5 %	0.0 %
Residue on ignition (Ash)	≤ 0.5 %	< 0.1 %
Chloride Content	≤ 0.018 %	< 0.018 %
Sulfate (SO ₄)	≤ 0.025 %	< 0.025 %
Arsenic (As)	≤ 1 ppm	< 1 ppm
Calcium and Magnesium (as calcium)	< = 0.005%	< = 0.005%
Heavy Metals	≤ 5 ppm	< 5 ppm
USP Limit Test hydroxymethylfurfural	Pass	Pass
Assay (Dry Basis)	98.0 - 102.0 %	100.8 %
Residual Solvents USP 467	Meets Requirements	No residual solvents are present

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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Rodney Burbach, Manager
Analytical Services
St. Louis, Missouri US

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