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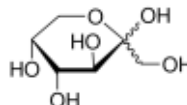
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

D-(–)-Fructose – BioReagent, suitable for cell culture, suitable for insect cell culture

**Product Number:** F3510  
**Batch Number:** SLCC1647  
**Brand:** SIGMA  
**CAS Number:** 57-48-7  
**MDL Number:** MFCD00148910  
**Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
**Formula Weight:** 180.16 g/mol  
**Quality Release Date:** 04 APR 2019  
**Recommended Retest Date:** APR 2024



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H <sub>2</sub> O		
Infrared Spectrum	Conforms to Structure	Conforms
Specific Rotation	-91.3 - -87.7 °	-89.6 °
c = 5 in H <sub>2</sub> O at 25 deg C		
Impurity (by Enzymatic)	≤ 0.05 %	0.00 %
Glucose		
Purity (HPLC)	≥ 99 %	100 %
Cell Culture Test	Pass	Pass
Insect Cell Test	Pass	Pass

Carolyn Baird, Supervisor  
Quality Assurance  
St. Louis, Missouri US

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.