

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

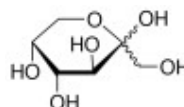
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
D-(-)-Fructose - BioXtra

Product Number: **F2543**
CAS Number: 57-48-7
MDL: MFCD00148910
Formula: C₆H₁₂O₆
Formula Weight: 180.16 g/mol



| TEST | Specification |
|------|---------------|
|------|---------------|

| | |
|---------------------------------------|------------|
| Appearance (Color) | White |
| Appearance (Form) | Powder |
| Solubility (Color) | Colorless |
| Solubility (Turbidity) | Clear |
| 1 M , H ₂ O | |
| Residue on ignition (Ash) | ≤ 0.1 % |
| Insoluble matter | ≤ 0.1 % |
| Chloride Content | ≤ 0.05 % |
| Sulfate (SO ₄) | ≤ 0.05 % |
| Aluminum (Al) | ≤ 0.0005 % |
| Phosphorus (P) | ≤ 0.0005 % |
| Lead (Pb) | ≤ 0.001 % |
| Iron (Fe) | ≤ 0.0005 % |
| Copper (Cu) | ≤ 0.0005 % |
| Zinc (Zn) | ≤ 0.0005 % |
| Calcium (Ca) | ≤ 0.0005 % |
| Magnesium (Mg) | ≤ 0.0005 % |
| Sodium (Na) | ≤ 0.005 % |
| Potassium (K) | ≤ 0.005 % |
| Ammonia (NH ₃) | ≤ 0.05 % |
| Ammonia content by enzymatic analysis | |
| Impurity (by Enzymatic) | ≤ 0.05 % |
| Glucose | |

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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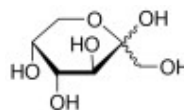
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| | |
|---|--------|
| Purity (HPLC) | ≥ 99 % |
| HPLC with pulsed amperometric detection | |
| Recommended Retest Period | ----- |
| 4 years | |

Specification: PRD.1.ZQ5.10000055671

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