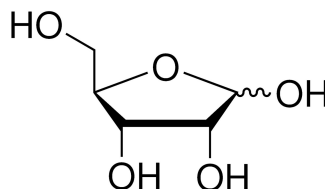


Certificate of Analysis

Product Name : D-(-)-Ribose ≥99% (GC)
Product Number : R7500-VAR
Batch Number : 0000465268
Source Batch : 0000317960
CAS Number : 50-69-1
MDL Number : MFCD00135453
Storage Temperature : +2°C to +8°C
Molecular Formula : C₅H₁₀O₅
Formula Weight : 150.13 g/mol
Recommended Retest Date : Mar 2027
Quality Release Date : 28 Mar 2024



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
100 mg/mL, H ₂ O		
Specific Rotation	-21.0 - -19.5 °	-19.5 °
c = 4, H ₂ O, 20 deg C		
Heavy Metals (as Lead)	≤ 10 ppm	≤ 10 ppm
Loss on Drying	≤ 0.5 %	0.1 %
Purity (GC)	≥ 99 %	99 %

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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