

Certificate of Analysis

Date of Testing: 2024-08-13 16:00:17

Date of Next Testing: 2028-08-12 16:00:17

Product Name: **D-(-)-Ribose**

CAS Number: 50-69-1

Specifications & Purity: $\geq 99\%$ (HPLC)

Lot #: H2408047

SKU #: **R104821**

Version: **0**

Analysis #: **132917**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.03 %
Purity(HPLC)	99-100 (%)	99.48800 %
Heavy metal (as Pb)	0-5 (ppm)	2.40 ppm
Loss on drying	0-0.5 (%)	0.37 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$	-20.8--19.2 (°)	-19.22 °
Solubility in H ₂ O , Colorless to Faint	pass	Pass
Yellow ,Clear,100 mg/mL		
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (R104821)	White to Off-White to slightly yellow Powder or Crystals	White to Off-White to slightly yellow Powder or Crystals



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QA & QC Manager