

Certificate of Analysis

Date of Testing: 2023-07-07 11:08:56

Date of Next Testing: 2027-07-06 11:08:56

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

CAS Number: 50-69-1

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

Lot #: J1908153

SKU #: **R104821**

Analysis: **248284**

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

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	-20.8--19.2 (°)	-19.64 °
Sulfate Ash	0-0.1 (%)	0.02 %
Purity(HPLC)	99-100 (%)	99.97000 %
Heavy metal (as Pb)	0-5 (ppm)	1.65 ppm
Loss on drying	0-0.5 (%)	0.14 %
Appearance (R104821)	White to Off-White to slightly yellow Powder or Crystals	White to Off-White to slightly yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager