

Certificate of Analysis

Date of Testing: 2024-06-26 17:24:25

Date of Next Testing: 2028-06-25 17:24:25

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

CAS Number: 50-69-1

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

Lot #: F2424436

SKU #: **R104821**

Version: **0**

Analysis #: **377139**

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 (°)	-19.33 °
Sulfate Ash	0-0.1 (%)	0.00 %
Purity(HPLC)	99-100 (%)	99.99700 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Loss on drying	0-0.5 (%)	0.15 %
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