

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-29 14:17:50
 Date of Next Testing: 2029-09-28 14:17:50
 Product Name: **D-(-)-Ribose**
 CAS Number: 50-69-1
 Specifications & Purity: $\geq 99\%$ (HPLC)
 Lot #: I2528465
 SKU #: **R104821**
 Version: **0**
 Analysis #: **570111**
 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 (°)	-19.21900 °
Sulfate Ash	0-0.1 (%)	0.05000 %
Purity(HPLC)	99-100 (%)	99.85200 %
Heavy metal (as Pb)	0-5 (ppm)	2.50000 ppm
Loss on drying	0-0.5 (%)	0.00000 %
Appearance (R104821)	White to Off-White to slightly yellow Powder or Crystals	White to Off-White to slightly yellow Powder or Crystals
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager