

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-11 09:55:00  
Date of Next Testing: 2029-10-10 09:55:00  
Product Name: **D-(-)-Ribose**  
CAS Number: 50-69-1  
Specifications & Purity:  $\geq 99\%$ (HPLC)  
Lot #: L2116442  
SKU #: **R104821**  
Version: **0**  
Analysis #: **579272**  
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 (°)	-20.48°
Sulfate Ash	0-0.1 (%)	0.02 %
Purity(HPLC)	99-100 (%)	99.90350 %
Heavy metal (as Pb)	0-5 (ppm)	3.65 ppm
Loss on drying	0-0.5 (%)	0.50 %
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 <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su  
QA & QC Manager