

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-02 16:15:40  
Date of Next Testing: 2029-08-01 16:15:40  
Product Name: **D-(-)-Ribose**  
CAS Number: 50-69-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2510092  
SKU #: **R104820**  
Version: **1**  
Analysis #: **550543**  
Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Ignition Residue	0-0.5 (%)	0.00 %
(As)Arsenic	0-2 (ppm)	0.03 ppm
Specific Rotation $[\alpha]_{20}^D(c=4 \text{ in H}_2\text{O})$	-22--19 (°)	-19.22 °
Heavy metal (as Pb)	0-10 (ppm)	2.40 ppm
Loss on drying	0-0.5 (%)	0.37 %
Purity(HPLC)	98-100 (%)	99.48800 %
Appearance (R104820)	White to Off-White Powder or Chunks	White to Off-White Powder or Chunks
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