

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-14 10:41:47

Date of Next Testing: 2029-02-13 10:41:47

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

CAS Number: 50-69-1

Specifications & Purity: $\geq 98\%$

Lot #: B2510031

SKU #: **R104820**

Version: **1**

Analysis #: **153368**

Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Ignition Residue	0-0.5 (%)	0.30000 %
(As)Arsenic	0-2 (ppm)	1.25000 ppm
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in } H_2O)}$	-22--19 (°)	-19.22000 °
Heavy metal (as Pb)	0-10 (ppm)	2.40000 ppm
Loss on drying	0-0.5 (%)	0.36600 %
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 ₂ O , Colorless to Faint Yellow , Clear, 100 mg/mL	pass	Pass



John Su
QA & QC Manager