

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-11 11:15:25

Date of Next Testing: 2028-05-10 11:15:25

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

CAS Number: 50-69-1

Specifications & Purity: $\geq 98\%$

Lot #: D2426053

SKU # **R104820**

Version **1**

Analysis #: **059692**

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

Parameter	Limit Values	Result
Ignition Residue	0-0.5 (%)	0.25000 %
(As)Arsenic	0-2 (ppm)	1.20000 ppm
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in } H_2O)}$	-22--19 (°)	-20.48400 °
Heavy metal (as Pb)	0-10 (ppm)	3.65000 ppm
Loss on drying	0-0.5 (%)	0.49880 %
Purity(HPLC)	98-100 (%)	99.90500 %
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