

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-07 15:51:18
Date of Next Testing: 2028-03-06 15:51:18
Product Name: **D-(-)-Ribose**
CAS Number: 50-69-1
Specifications & Purity: 98%
Lot #: C2401041
SKU #: **R104820**
Analysis: **059692**
Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Ignition Residue	0-0.5 (%)	0.25 %
(As)Arsenic	0-2 (ppm)	1.20 ppm
Specific Rotation $[\alpha]_{20}^D(c=4 \text{ in H}_2\text{O})$	-22--19 (°)	-20.48 °
Heavy metal (as Pb)	0-10 (ppm)	3.65 ppm
Loss on drying	0-0.5 (%)	0.50 %
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