

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-19 15:37:16
Date of Next Testing: 2029-09-18 15:37:16
Product Name: **2-Deoxy-D-Ribose**
CAS Number: 533-67-5
Specifications & Purity: $\geq 98\%$
Lot #: I2510127
SKU #: **D104784**
Version: **0**
Analysis #: **079904**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.2 (%)	0.13000 %
Heavy metal (as Pb)	0-20 (ppm)	9.60000 ppm
Loss on drying	0-1 (%)	0.42000 %
Purity(HPLC)	98-100 (%)	98.38300 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-58--54 (°)	-54.14600 °
Appearance (D104784)	White or pale yellow lyophilized powder	White or pale yellow lyophilized powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Solution transparent	pass	Pass



John Su
QA & QC Manager