

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-10 19:17:20  
Date of Next Testing: 2029-10-09 19:17:20  
Product Name: **2-Deoxy-D-Ribose**  
CAS Number: 533-67-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2509076  
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 <sub>2</sub> O , Solution transparent	pass	Pass



John Su  
QA & QC Manager