

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-11 16:14:06  
Date of Next Testing: 2026-11-10 16:14:06  
Product Name: **2-Deoxy-D-Ribose**  
CAS Number: 533-67-5  
Specifications & Purity: Moligand™, ≥98%  
Lot #: C1526014  
SKU #: **D104784**  
Version: **0**  
Analysis #: **154065**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.2 (%)	0.12500 %
Heavy metal (as Pb)	0-20 (ppm)	15.94600 ppm
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-58--54 (°)	-56.75200 °
Loss on drying	0-1 (%)	0.65300 %
Purity(HPLC)	98-100 (%)	98.28600 %
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