

## Certificate of Analysis

Date of Testing: 2024-01-09 10:25:44  
Date of Next Testing: 2028-01-08 10:25:44  
Product Name: **L-(+)-Ribose**  
CAS Number: 24259-59-4  
Specifications & Purity: 98%  
Lot #: L2326125  
SKU #: **R105972**  
**Analysis:** **302167**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.62800 %
Heavy metal (as Pb)	0-20 (ppm)	10.30 ppm
Ignition Residue (as sulfate)	0-0.5 (%)	0.26 %
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	18-22 (°)	18.01 °
Melting point	88-92 (°C)	91.87000 °C
Appearance (R105972)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager