

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-10 16:49:15  
Date of Next Testing: 2029-08-09 16:49:15  
Product Name: **L-Rhamnose monohydrate**  
CAS Number: 10030-85-0  
Specifications & Purity:  $\geq 99\%$   
Lot #: H2507691  
SKU #: **R108982**  
Version: **2**  
Analysis #: **536976**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	2.10000 ppm
Specific Rotation $[\alpha]_{20}^D(c=4 \text{ in H}_2\text{O})$	7.5-8.5 ( $^\circ$ )	7.56200 $^\circ$
Water by Karl Fischer	9-11 (%)	9.50290 %
Calcium(Ca)	0-10 (ppm)	0.80000 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.01100 %
Purity(HPLC)	99-100 (%)	99.88200 %
Melting point	91-96 ( $^\circ\text{C}$ )	95.83000 $^\circ\text{C}$
Appearance (R108982)	White or light yellow crystalline powder	White or light yellow crystalline powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager