

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-27 16:12:29
Date of Next Testing: 2030-06-26 16:12:29
Product Name: **L-Rhamnose monohydrate**
CAS Number: 10030-85-0
Specifications & Purity: $\geq 99\%$
Lot #: F2622059
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