

Certificate of Analysis

Date of Testing: 2023-09-27 11:38:25

Date of Next Testing: 2027-09-26 11:38:25

Product Name: **L-Rhamnose monohydrate**

CAS Number: 10030-85-0

Specifications & Purity: 99%

Lot #: I2321920

SKU # **R108982**

Analysis: 267984

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.08 ppm
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in } H_2O)}$	7.5-8.5 (°)	7.56 °
Calcium(Ca)	0-10 (ppm)	1.24 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.06 %
Purity(HPLC)	99-100 (%)	99.79100 %
Melting point	91-96 (°C)	95.18000 °C
Water by Karl Fischer	9-11 (%)	9.02 %
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