

Certificate of Analysis

Date of Testing: 2024-03-22 14:52:10

Date of Next Testing: 2028-03-21 14:52:10

Product Name: **L-Rhamnose monohydrate**

CAS Number: 10030-85-0

Specifications & Purity: 99%

Lot #: C2414722

SKU #: **R108982**

Analysis: **324814**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.43000 %
Melting point	91-96 (°C)	91.10000 °C
Heavy metal (as Pb)	0-5 (ppm)	5.00 ppm
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	7.5-8.5 (°)	8.00 °
Water by Karl Fischer	9-11 (%)	10.10 %
Calcium(Ca)	0-10 (ppm)	5.00 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.12 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (R108982)	White or light yellow crystalline powder	White or light yellow crystalline powder

A handwritten signature in blue ink that reads "John Su".

John Su
QA & QC Manager