

Certificate of Analysis

Date of Testing: 2025-05-16 09:04:43

Date of Next Testing: 2029-05-15 09:04:43

Product Name: **L-Rhamnose monohydrate**

CAS Number: 10030-85-0

Specifications & Purity: $\geq 99\%$

Lot #: E2514487

SKU #: **R108982**

Version: **2**

Analysis #: **505649**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.24 ppm
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	7.5-8.5 (°)	7.60°
Water by Karl Fischer	9-11 (%)	9.47 %
Calcium(Ca)	0-10 (ppm)	0.86 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.06 %
Purity(HPLC)	99-100 (%)	99.82000 %
Melting point	91-96 (°C)	94.65000 °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