

Certificate of Analysis

Date of Testing: 2023-04-24 13:26:36

Date of Next Testing: 2027-04-23 13:26:36

Product Name: **L-Rhamnose monohydrate**

CAS Number: 10030-85-0

Specifications & Purity: 99%

Lot #: D2318616

SKU #: **R108982**

Analysis: **184462**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	2.30 ppm
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	7.5-8.5 (°)	7.50°
Water by Karl Fischer	9-11 (%)	10.46 %
Calcium(Ca)	0-10 (ppm)	3.50 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.07 %
Purity(HPLC)	99-100 (%)	99.60500 %
Melting point	91-96 (°C)	95.65000 °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