

Certificate of Analysis

Date of Testing: 2024-06-27 11:51:45

Date of Next Testing: 2028-06-26 11:51:45

Product Name: **L-Rhamnose monohydrate**

CAS Number: 10030-85-0

Specifications & Purity: $\geq 99\%$

Lot #: F2421486

SKU #: **R108982**

Version: **2**

Analysis #: **365180**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.60 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 (%)	9.47 %
Calcium(Ca)	0-10 (ppm)	1.34 ppm
Ignition Residue (as sulfate)	0-0.15 (%)	0.10 %
Purity(HPLC)	99-100 (%)	99.78900 %
Melting point	91-96 (°C)	95.99000 °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