

Certificate of Analysis

Date of Testing: 2024-01-09 09:23:15

Date of Next Testing: 2028-01-08 09:23:15

Product Name: **D-(+)-Melibiose Monohydrate**

CAS Number: 66009-10-7

Specifications & Purity: 99%

Lot #: A2403016

SKU #: **M106308**

Analysis: **034413**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.48300 %
Specific Rotation [α] _{20/D(c=4 in H₂O)}	132-139 (°)	136.90 °
Water by Karl Fischer	0-6.8 (%)	2.04 %
Appearance (M106308)	White to Off-White Powder	White to Off-White Powder
Clear colorless solution(50mg/ml,water)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager