

Certificate of Analysis

Date of Testing: 2024-03-18 09:57:08

Date of Next Testing: 2028-03-17 09:57:08

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

CAS Number: 66009-10-7

Specifications & Purity: $\geq 99\%$

Lot #: C2407465

SKU #: **M106308**

Version: **0**

Analysis #: **323952**

Storage Temperature: Protected from light

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.07400 %
Water by Karl Fischer	0-6.8 (%)	0.50 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$	132-139 (°)	138.94 °
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