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Certificate of Analysis

Product Description: alpha-D-(+)-Melibiose Monohydrate
Catalog Number: 102256
Lot: S9050**Formula:** C₁₂H₂₂O₁₁ · H₂O
CAS #: 585-99-9
Physical Description: White Powder**Formula Weight:** 360.3
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	174 - 190°C	175.7°C
Moisture	≤5%	4% (KF)
Optical Rotation (c=4, water)	+135 ± 10°	+139.64°
Recommended Retest Date	Month/Day/Year	05/10/2025

Purity (HPLC): 99 area-%

1H-NMR: Corresponds

13C-NMR: Corresponds

07/28/2022 - Lily Meng
MP Biomedicals, LLC.
QC ChemistThis is an electronically generated document
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