

## Certificate of Analysis

Date of Testing: 2025-04-08 18:53:50  
Date of Next Testing: 2029-04-07 18:53:50  
Product Name: **D-(+)-Maltose monohydrate**  
CAS Number: 6363-53-7  
Specifications & Purity: AR, ≥97%  
Lot #: C2521765  
SKU #: **M104815**  
Version: **1**  
Analysis #: **495167**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate Ash	0-0.1 (%)	0.00 %
Purity(HPLC)	97-100 (%)	99.67000 %
Glucose (TLC)	0-1 (%)	0.10 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Water by Karl Fischer	4.8-5.8 (%)	5.46 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{after drying})$	135-139 (°)	137.80 °
Appearance (M104815)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager