

## Certificate of Analysis

Date of Testing: 2023-05-24 12:49:17  
Date of Next Testing: 2027-05-23 12:49:17  
Product Name: **D-(+)-Maltose monohydrate**  
CAS Number: 6363-53-7  
Specifications & Purity: Analytical Reagent,97.0%  
Lot #: E2316705  
SKU #: **M104815**  
**Analysis:** **227305**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate Ash	0-0.1 (%)	0.03 %
Purity(HPLC)	97-100 (%)	99.22000 %
Glucose (TLC)	0-1 (%)	0.60 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Water by Karl Fischer	4.8-5.8 (%)	5.02 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{after drying})$	126-132 (°)	129.70 °
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