

Certificate of Analysis

Date of Testing: 2023-09-09 14:02:13

Date of Next Testing: 2027-09-08 14:02:13

Product Name: **D-(+)-Maltose monohydrate**

CAS Number: 6363-53-7

Specifications & Purity: Analytical Reagent, 97.0%

Lot #: I2306552

SKU #: **M104815**

Analysis: **273964**

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 (%)	98.30000 %
Glucose (TLC)	0-1 (%)	0.22 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Water by Karl Fischer	4.8-5.8 (%)	5.10 %
Specific Rotation $[\alpha]_{20/D(c=10 \text{ in H}_2\text{O})}$ (after drying)	126-132 (°)	129.20 °
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