

Certificate of Analysis

Date of Testing: 2024-07-15 09:39:19

Date of Next Testing: 2028-07-14 09:39:19

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

CAS Number: 6363-53-7

Specifications & Purity: Analytical Reagent, 97.0%

Lot #: F2428446

SKU #: **M104815**

Version: **1**

Analysis #: **387613**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate Ash	0-0.1 (%)	0.02 %
Purity(HPLC)	97-100 (%)	99.56000 %
Glucose (TLC)	0-1 (%)	0.20 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Water by Karl Fischer	4.8-5.8 (%)	5.77 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ (after drying)	135-139 (°)	138.50 °
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