

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-24 12:46:53

Date of Next Testing: 2027-05-23 12:46:53

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

CAS Number: 6363-53-7

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: E2316719

SKU #: **M104816**

Version: **1**

Analysis #: **220431**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Glucose	0-0.3 (%)	0.12500 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ (after drying)	126-132 ($^{\circ}$)	129.70000 $^{\circ}$
Maltotriose	0-1 (%)	0.36000 %
Water by Karl Fischer	4.8-5.8 (%)	5.02000 %
Purity(HPLC)	98-100 (%)	99.22000 %
Appearance (M104816)	white or almost white powder or crystals	white or almost white powder or crystals
Clear colorless solution(50mg/ml,water)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager