

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-09 14:02:40
 Date of Next Testing: 2027-09-08 14:02:40
 Product Name: **D-(+)-Maltose monohydrate**
 CAS Number: 6363-53-7
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: I2306553
 SKU #: **M104816**
 Version: **1**
 Analysis #: **248548**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Glucose	0-0.3 (%)	0.10000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ (after drying)	126-132 ($^{\circ}$)	129.20000 $^{\circ}$
Maltotriose	0-1 (%)	0.22000 %
Water by Karl Fischer	4.8-5.8 (%)	5.10000 %
Purity(HPLC)	98-100 (%)	98.30000 %
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