

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-21 14:39:37  
Date of Next Testing: 2030-03-20 14:39:37  
Product Name: **D-(+)-Trehalose dihydrate**  
CAS Number: 6138-23-4  
Specifications & Purity: for cell culture, for insect cell culture, ≥99%  
Lot #: C2612636  
SKU #: **T100012**  
Version: **2**  
Analysis #: **641478**  
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.96500 %
Specific Rotation [α] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	174-183 (°)	176.26000 °
Water by Karl Fischer	9-11 (%)	9.86340 %
Appearance (T100012)	White powder	White powder
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Solubility in H <sub>2</sub> O , clear colorless , 50mg/ml of water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager