

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-11 14:02:27  
 Date of Next Testing: 2029-04-10 14:02:27  
 Product Name: **D-(+)-Trehalose dihydrate**  
 CAS Number: 6138-23-4  
 Specifications & Purity:  $\geq 99\%$ , from cassava starch  
 Lot #: D2501549  
 SKU #: **T100010**  
 Version: **3**  
 Analysis #: **486876**  
 Storage Temperature: Room temperature, Argon charged, Cool

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.80300 %
Specific Rotation [a] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	178-183 (°)	178.20000 °
Water by Karl Fischer	9.2-10.2 (%)	9.21000 %
Solvent Content(GC)	0-5 (%)	0.80000 %
Appearance (T100010)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager