

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-28 11:04:56
 Date of Next Testing: 2029-08-27 11:04:56
 Product Name: **D-(+)-Trehalose dihydrate**
 CAS Number: 6138-23-4
 Specifications & Purity: for cell culture, for insect cell culture, ≥99%
 Lot #: H2518672
 SKU #: **T100012**
 Version: **2**
 Analysis #: **541572**
 Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.84200 %
Specific Rotation [α] ₂₀ /D(c=7 in H ₂ O)	174-183 (°)	174.45900 °
Water by Karl Fischer	9-11 (%)	10.98800 %
Appearance (T100012)	White powder	White powder
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Solubility in H ₂ O , clear colorless , 50mg/ml of water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager