

Certificate of Analysis

Date of Testing: 2025-03-13 14:19:44

Date of Next Testing: 2029-03-12 14:19:44

Product Name: **D-(+)-Trehalose dihydrate**

CAS Number: 6138-23-4

Specifications & Purity: for cell culture, for insect cell culture, ≥99%

Lot #: C2507676

SKU #: **T100012**

Version: **2**

Analysis #: **473265**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.68200%
Specific Rotation [α] ₂₀ /D(c=7 in H ₂ O)	174-183 (°)	174.20°
Water by Karl Fischer	9-11 (%)	9.00%
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