

Certificate of Analysis

Date of Testing: 2022-11-15 18:37:17
Date of Next Testing: 2026-11-14 18:37:17
Product Name: **D-(+)-Trehalose dihydrate**
CAS Number: 6138-23-4
Specifications & Purity: for cell culture,for insect cell culture,≥99%
Lot #: J2227679
SKU #: **T100012**
Analysis: 108642
Storage Temperature: Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	6.98 %
Purity(HPLC)	99-100 (%)	99.74900 %
Specific Rotation [α] ₂₀ /D(c=7 in H ₂ O)	174-183 (°)	174.12 °
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