

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-21 17:34:44

Date of Next Testing: 2029-04-20 17:34:44

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

CAS Number: 6138-23-4

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

Lot #: D2511220

SKU #: **V34770**

Version: **0**

Analysis #: **501850**

Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.59100 %
Specific Rotation [α] _{20/D} (c=7 in H ₂ O)	174-183 (°)	174.10 °
Water by Karl Fischer	9-11 (%)	9.25 %
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
Appearance(V34770)	White powder	White powder

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zhu

