

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-03-18 11:28:37

Date of Next Testing: 2030-03-17 11:28:37

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

CAS Number: 6138-23-4

Specifications & Purity: $\geq 99\%$, from cassava starch

Lot #: C2613201

SKU #: **V34769**

Version: **0**

Analysis #: **677333**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=7 \text{ in H}_2\text{O})$	178-183 ($^{\circ}$)	178.20 $^{\circ}$
Purity(HPLC)	99-100 (%)	99.93200 %
Water by Karl Fischer	9.2-10.2 (%)	9.25 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O	pass	Pass
Appearance(V34769)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zhu

