

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 15:01:41

Date of Next Testing: 2029-10-12 15:01:41

Product Name: **α,β -Trehalose**

CAS Number: 585-91-1

Specifications & Purity: $\geq 95\%$

Lot #: L2128295

SKU #: **T120978**

Version: **2**

Analysis #: **586383**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.70360 %
Carbon	41-43.2 (%)	42.30100 %
Water by Karl Fischer	0-10 (%)	2.65900 %
Specific rotation $[\alpha]_{20/D}(C=1 \text{ in H}_2\text{O, anhydrous})$	95-100 (°)	96.51200 °
Appearance (T120978)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear (5% in H ₂ O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager