

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-24 09:05:12

Date of Next Testing: 2027-10-23 09:05:12

Product Name: **α,β -Trehalose**

CAS Number: 585-91-1

Specifications & Purity: $\geq 95\%$

Lot #: J2317141

SKU #: **T120978**

Version: **2**

Analysis #: **055782**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.70600 %
Carbon	41-43.2 (%)	42.31000 %
Water by Karl Fischer	0-10 (%)	2.69000 %
Specific rotation $[\alpha]_{20/D}(C=1 \text{ in H}_2\text{O, anhydrous})$	95-100 (°)	96.52000 °
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