

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:  **$\alpha,\beta$ -Trehalose**

CAS Number: 585-91-1

Specifications & Purity:  $\geq 95\%$ 

Lot #: L2128288

SKU #: **T120978**Version: **2**Analysis #: **586383**

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.70360%
Carbon	41-43.2 (%)	42.30%
Water by Karl Fischer	0-10 (%)	2.66%
Specific rotation $[\alpha]_{20/D}(C=1 \text{ in H}_2\text{O, anhydrous})$	95-100 ( $^\circ$ )	96.51200 $^\circ$
Appearance (T120978)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless and clear(5% in H <sub>2</sub> O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager