

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-12 10:15:07
Date of Next Testing: 2028-11-11 10:15:07
Product Name: **D-(+)-Trehalose dihydrate**
CAS Number: 6138-23-4
Specifications & Purity: $\geq 99\%$, from cassava starch
Lot #: K2404664
SKU #: **T100010**
Version: **1**
Analysis #: **425463**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.69300 %
Specific Rotation $[\alpha]_{20/D}(c=7 \text{ in H}_2\text{O})$	178-183 ($^{\circ}$)	178.20 $^{\circ}$
Water by Karl Fischer	9.2-10.2 (%)	9.20 %
Appearance (T100010)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
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



John Su
QA & QC Manager