

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-17 16:11:45
Date of Next Testing: 2025-02-16 16:11:45
Product Name: **D-(+)-Trehalose Anhydrous**
CAS Number: 99-20-7
Specifications & Purity: 99%
Lot #: B2310445
SKU #: **D110019**
Analysis: 176813
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| Purity(HPLC) | 99-100 (%) | 99.20000 % |
| Water by Karl Fischer | 0-0.3 (%) | 0.12 % |
| Specific Rotation [a] ₂₀ /D(c=7 in H ₂ O) | 194-200 (°) | 195.02 ° |
| Melting point | 200-208 (°C) | 201.00000 °C |
| Appearance (D110019) | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O | Almost transparency | almost transparency |



John Su
QA & QC Manager