

Certificate of Analysis

Date of Testing: 2023-02-20 11:40:05
Date of Next Testing: 2025-02-19 11:40:05
Product Name: **D-(+)-Trehalose Anhydrous**
CAS Number: 99-20-7
Specifications & Purity: 99%
Lot #: B2310444
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