

## Certificate of Analysis

Date of Testing: 2024-07-23 17:28:11  
Date of Next Testing: 2026-07-23 17:28:11  
Product Name: **D-(+)-Trehalose Anhydrous**  
CAS Number: 99-20-7  
Specifications & Purity: 99%  
Lot #: A2225012  
SKU #: **D110019**  
Version: **0**  
Analysis #: **377698**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.91500 %
Water by Karl Fischer	0-0.3 (%)	0.20 %
Specific Rotation [a] <sub>D</sub> 20/D(c=7 in H <sub>2</sub> O)	194-200 (°)	194.39 °
Melting point	200-208 (°C)	206.19000 °C
Appearance (D110019)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager