

## Certificate of Analysis

Date of Testing: 2022-04-13 15:55:51  
Date of Next Testing: 2024-04-12 15:55:51  
Product Name: **D-(+)-Trehalose Anhydrous**  
CAS Number: 99-20-7  
Specifications & Purity: 99%  
Lot #: E2025129  
SKU #: **D110019**  
**Analysis:** **086706**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.30000 %
Water by Karl Fischer	0-0.3 (%)	0.10 %
Specific Rotation [a] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	194-200 (°)	195.00 °
Melting point	200-208 (°C)	203.00000 °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 <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager