

## Certificate of Analysis

Date of Testing: 2023-10-19 11:01:13  
Date of Next Testing: 2025-10-18 11:01:13  
Product Name: **D-(+)-Trehalose Anhydrous**  
CAS Number: 99-20-7  
Specifications & Purity: 99%  
Lot #: J2311083  
SKU #: **D110019**  
**Analysis:** **069959**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.50000 %
Water by Karl Fischer	0-0.3 (%)	0.16 %
Specific Rotation [a] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	194-200 (°)	197.00 °
Melting point	200-208 (°C)	205.00000 °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