

## Certificate of Analysis

Date of Testing: 2024-01-10 13:15:49  
Date of Next Testing: 2026-01-09 13:15:49  
Product Name: **D-(+)-Trehalose Anhydrous**  
CAS Number: 99-20-7  
Specifications & Purity: 99%  
Lot #: A2219407  
SKU #: **D110019**  
**Analysis:** **309518**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.61300 %
Water by Karl Fischer	0-0.3 (%)	0.15 %
Melting point	200-208 (°C)	206.71000 °C
Specific Rotation [α] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	194-200 (°)	194.20 °
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