

## Certificate of Analysis

Date of Testing: 2022-09-27 15:02:07  
Date of Next Testing: 2024-09-26 15:02:07  
Product Name: **D-(+)-Trehalose Anhydrous**  
CAS Number: 99-20-7  
Specifications & Purity: 99%  
Lot #: I2220351  
SKU #: **D110019**  
**Analysis: 106746**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.20000 %
Water by Karl Fischer	0-0.3 (%)	0.17 %
Specific Rotation $[\alpha]_{20/D(c=7 \text{ in H}_2\text{O})}$	194-200 (°)	195.00 °
Melting point	200-208 (°C)	202.00000 °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