

Certificate of Analysis

Date of Testing: 2024-04-09 16:20:13
Date of Next Testing: 2026-04-09 16:20:13
Product Name: **D-(+)-Trehalose Anhydrous**
CAS Number: 99-20-7
Specifications & Purity: 99%
Lot #: D2402191
SKU #: **D110019**
Analysis: **335790**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.10000 %
Water by Karl Fischer	0-0.3 (%)	0.20 %
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 ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager