

## Certificate of Analysis

Date of Testing: 2023-02-20 15:18:00  
Date of Next Testing: 2027-02-19 15:18:00  
Product Name: **Mannose triflate**  
CAS Number: 92051-23-5  
Specifications & Purity: 98%  
Lot #: B23111037  
SKU #: **T111864**  
**Analysis: 144599**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Melting point	115-120 (°C)	119.18000 °C
Specific Rotation [α] <sub>20</sub> /D(c=1 in CHCL <sub>3</sub> )	-18--14 (°)	-17.32 °
Purity(HPLC area)	98-100 (%)	98.04 %
Appearance (T111864)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless Clear, 25mg/ml in CHCl <sub>3</sub>	pass	Pass



John Su  
QA & QC Manager