

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-27 15:44:23  
Date of Next Testing: 2027-04-26 15:44:23  
Product Name: **2,3,4,6-Tetra-O-benzoyl-D-mannopyranose**  
CAS Number: 113544-59-5  
Specifications & Purity: 93% (isomer mixture)  
Lot #: D23211182  
SKU #: **T162855**  
**Analysis: 201733**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	179-185 (°C)	183.10000 °C
Purity(HPLC)(sum of isomers)	93-100 (%)	98.10%
Specific rotation $[\alpha]_{20/D(C=1, CHCl_3)}$ -80~-75 (°)		-79.86 °
Appearance(T162855)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager