

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-27 15:43:52
Date of Next Testing: 2027-04-26 15:43:52
Product Name: **2,3,4,6-Tetra-O-benzoyl-D-mannopyranose**
CAS Number: 113544-59-5
Specifications & Purity: 93% (isomer mixture)
Lot #: D23211167
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