

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-01 10:41:15
Date of Next Testing: 2027-10-31 10:41:15
Product Name: **1,2,3,4,6-Penta-O-acetyl- α -D-mannopyranose**
CAS Number: 4163-65-9
Specifications & Purity: $\geq 98\%$
Lot #: J2330025
SKU #: **P292266**
Analysis: **095085**
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|---|---|---|
| Purity(HPLC) | 98-100 (%) | 99.89600 % |
| Specific rotation $[\alpha]_{20/D}(C=1, \text{CHCl}_3)$ | 51-57($^{\circ}$) | 56.98 $^{\circ}$ |
| Appearance(P292266) | White to light brown powder or crystals | white to light brown powder or crystals |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager