

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-03 08:53:51
Date of Next Testing: 2027-01-02 08:53:51
Product Name: **4-Methylumbelliferyl β -D-glucopyranoside**
CAS Number: 18997-57-4
Specifications & Purity: $\geq 99\%$
Lot #: L2215803
SKU #: **M103899**
Version: **1**
Analysis #: **150631**
Storage Temperature: Protected from light, Store at -20°C

| Parameter | Limit Values | Result |
|--|---------------------------|---------------------------|
| Purity(HPLC) | 99-100 (%) | 99.85200 % |
| Water by Karl Fischer | 0-2 (%) | 1.00 % |
| Specific Specific Rotation $n_{20}/D(c=0.3, \text{H}_2\text{O})$ | -108--97.5 ($^{\circ}$) | -101.60 $^{\circ}$ |
| Appearance (M103899) | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum | Conforms to structure | Conforms to Structure |



John Su
QA & QC Manager