

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-20 15:21:42  
Date of Next Testing: 2027-11-19 15:21:42  
Product Name: **4-Methylumbelliferyl  $\beta$ -D-glucopyranoside**  
CAS Number: 18997-57-4  
Specifications & Purity: 99%  
Lot #: K2316062  
SKU #: **M103899**  
**Analysis: 067739**  
Storage Temperature: Protected from light, Store at -20°C

| Parameter  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| Purity(HPLC)                                       | 99-100 (%)                | 99.93200 %                |
| Water by Karl Fischer                              | 0-2 (%)                   | 0.68 %                    |
| Specific Specific Rotation $n_{20}/D(c=0.3, H_2O)$ | -108--97.5 (°)            | -107.99 °                 |
| 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