

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-21 14:16:37  
Date of Next Testing: 2026-12-20 14:16:37  
Product Name: **4-Methylumbelliferyl  $\beta$ -D-glucopyranoside**  
CAS Number: 18997-57-4  
Specifications & Purity:  $\geq 99\%$   
Lot #: L2215686  
SKU #: **M103899**  
Version: **1**  
Analysis #: **150631**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$

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