

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 16:49:45

Date of Next Testing: 2027-01-10 16:49:45

Product Name: **4-Methylumbelliferyl-beta-D-glucuronide**

CAS Number: 6160-80-1

Specifications & Purity: $\geq 98\%$

Lot #: A2306647

SKU #: **M194210**

Version: **0**

Analysis #: **162787**

Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	8-10.2 (%)	9.90760 %
Purity(HPLC)	98-100 (%)	99.95400 %
Specific Rotation $[\alpha]_{20/D}(c=0.25 \text{ in H}_2\text{O})$	-107--103 ($^{\circ}$)	-106.75000 $^{\circ}$
Appearance (M194210)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager