

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 14:11:35

Date of Next Testing: 2027-01-10 14:11:35

Product Name: **4-Nitrophenyl β -D-Glucuronide [Substrate for β -Glucuronidase]**

CAS Number: 10344-94-2

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: A2306702

SKU #: **N159658**

Version: **1**

Analysis #: **178276**

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

Parameter	Limit Values	Result
Free P-Nitrophenol	0-0.1 (%)	0.07000 %
Water by Karl Fischer	0-8 (%)	3.51570 %
Purity(HPLC)	98-100 (%)	99.92600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } H_2O)$	-113~-107 (°)	-108.00000 °
Appearance (N159658)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager