

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-10 13:48:45

Date of Next Testing: 2027-03-09 13:48:45

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

CAS Number: 10344-94-2

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

Lot #: B23281013

SKU #: **N159658**

Version: **1**

Analysis #: **196117**

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 (%)	4.04400 %
Purity(HPLC)	98-100 (%)	99.54900 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } H_2O)$	-113~-107 (°)	-111.21200 °
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