

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-18 09:25:57

Date of Next Testing: 2027-07-17 09:25:57

Product Name: **N-Acetylmuramic acid(NAMA)**

CAS Number: 10597-89-4

Specifications & Purity: $\geq 97\%$

Lot #: G2307364

SKU # **H113966**

Version **1**

Analysis #: **173118**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.00000 %
Nitrogen by Elemental Analysis	4.4-5.1 (%)	5.01000 %
Specific Rotation $[\alpha]_{23/D}(c=0.1 \text{ in H}_2\text{O})$	64-66 (°)	65.12000 °
Carbon by Elemental Analysis	43.9-45.2 (%)	44.94000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (H113966)	White Solid	White Solid
Clear colorless solution(50mg/ml,water)	pass	Pass



John Su
QA & QC Manager