

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-04 18:50:22

Date of Next Testing: 2027-06-04 18:50:22

Product Name: **Muramic acid**

CAS Number: 1114-41-6

Specifications & Purity: $\geq 95\%$

Lot #: E2529620

SKU #: **M132986**

Version: **2**

Analysis #: **503592**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{22}^{\text{D}}$ (c=1.86g/ml in H ₂ O)	95-117 ($^{\circ}$)	108.40000 $^{\circ}$
Purity(TLC)	95-100 (%)	98.40000 %
Appearance (M132986)	White to off-white to Light Brown solid	White to off-white to light brown solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager