

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-06 14:53:45

Date of Next Testing: 2028-06-05 14:53:45

Product Name: **Muramic acid**

CAS Number: 1114-41-6

Specifications & Purity: $\geq 95\%$

Lot #: F2605285

SKU #: **M132986**

Version: **2**

Analysis #: **714220**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{22}^{\text{D}}(\text{c}=1.86\text{g/ml in H}_2\text{O})$	95-117 ($^{\circ}$)	106.20000 $^{\circ}$
Purity(TLC)	95-100 (%)	98.60000 %
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