

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-23 09:45:56

Date of Next Testing: 2025-05-22 09:45:56

Product Name: **Muramic acid**

CAS Number: 1114-41-6

Specifications & Purity: $\geq 95\%$

Lot #: E2310567

SKU #: **M132986**Version: **2**Analysis #: **172285**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(TLC)	95-100 (%)	98.40000 %
Specific Rotation $[\alpha]_{22}^D(c=1.86\text{g/ml in H}_2\text{O})$	95-117 ($^{\circ}$)	108.40000 $^{\circ}$
Appearance (M132986)	White to Off-White solid	White to off-white solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager