

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-15 11:24:33

Date of Next Testing: 2025-09-14 11:24:33

Product Name: **Muramic acid**

CAS Number: 1114-41-6

Specifications & Purity: $\geq 95\%$

Lot #: K2119148

SKU #: **M132986**Version: **2**Analysis #: **276576**Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(TLC)	95-100 (%)	98.10000 %
Specific Rotation $[\alpha]_{22}^{\text{D}}(\text{c}=1.86\text{g/ml in H}_2\text{O})$	95-117 ($^{\circ}$)	108.50000 $^{\circ}$
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