

Certificate of Analysis

Date of Testing: 2024-08-07 10:04:57

Date of Next Testing: 2026-08-07 10:04:57

Product Name: **Muramic acid**

CAS Number: 1114-41-6

Specifications & Purity: $\geq 95\%$

Lot #: H2405383

SKU #: **M132986**

Version: **2**

Analysis #: **393028**

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 ($^{\circ}$)	108.40000 $^{\circ}$
Purity(TLC)	95-100 (%)	98.40 %
Appearance (M132986)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager