



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-078
Product	<i>N</i>-Acetylmuramic acid
Lot Number	001999-62-1 <i>(R)</i> -2-(Acetylamino)-3- <i>O</i> -(1-carboxyethyl)-2-deoxy-D-glucose 2-Acetamido-2-deoxy-3- <i>O</i> -(d-1-carboxyethyl)-D-glucopyranose
CAS Number	10597-89-4
Molecular Formula	C ₁₁ H ₁₉ NO ₈
Molecular Weight	293.27
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Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in methanol)
Melting Point	126-130 °C
Elemental Analysis (Found)	98.2% (Cth 45.05%, Cfd 44.23%)
Water Content (Karl Fisher)	≤ 0.5%
Purity by TLC	> 98%
ESI-MS	m = 293.2u (average mass)
Storage	Store at 0-8°C