



INDOFINE Chemical Company, Inc.

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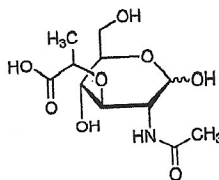
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Certificate of Analysis

Catalogue Number	04-078
Lot Number	000127-1072108
Product	N-Acetylmuramic acid <i>(R)-2-(Acetylamino)-3-O-(1-carboxyethyl)-2-deoxy-D-glucose</i>
CAS Number	10597-89-4
Molecular Formula	C ₁₁ H ₁₉ NO ₈
Molecular Weight	293.27

Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in 50% Methanol)
Melting Point	128 °C
Elemental Analysis (Theory)	C = 44% H = 7.1% N = 4.2% calc. x 0.04 H ₂ O (0.2%) x 1.2 MeOH (11.6%)
Water Content (Karl Fisher)	0.2%
TLC System	n-Butanol/Acetic acid/Water (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid/Water (60:45:14:6) Plate : Silicagel 60 F ₂₅₄ Detected by : UV, Ninhydrin, TMB
Residual Solvents	Methanol : 11.8% n-butanol : < 0.1% Ether : < 0.1% Isopropanol : 0.1%
Assay by titration	88.5%
Purity by TLC	> 98%
Storage	Store at 0 - 8 °C



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