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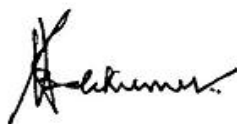
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	31908
Product	Muramic acid
Lot Number	003506-20220824
	2-Amino-3-O-(1-carboxyethyl)-2-deoxy-D-glucose
CAS Number	1114-41-6
Molecular Formula	C ₉ H ₁₇ NO ₇
Molecular Weight	251.23

Appearance	White to off-white solid
Solubility	Easily soluble in water Clear and colorless solution
Water Content (Karl Fisher)	5.6%
Optical Rotation	[α] _D ²² = 103.2 ° (C=1.86g/100ml in water)
Analysis by Mass Spectra	Conforms to standard
Residual Solvents	0.01% (GC)
¹H NMR	Conforms to structure
Purity	99.5%
Storage	Store at ≤ -20 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager