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Certificate of Analysis

Catalog Number	06357
Product Name	N-Me-Ser-OH N ^α -Methyl-L-serine
Lot Number	0545017
Molecular Formula	C ₄ H ₉ NO ₃
Molecular Weight	119.12
Appearance	White crystals
Appearance of solution	Clear, colorless solution (50mg/mL in Acetic acid 80 %)
Specific Rotation	$\alpha_{D}^{24} = +8.8^{\circ}$ (c=1; 1N HCl)
Identification (el.an)	Theory C=40.33% H=7.62% N=11.76% Found C=40.52% H=7.82% N=11.70%
Identification (TLC)	Methanol/chloroform/ammonia 17% 2/2/1 (v/v/v) Chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 (v/v/v/v) n-Butanol/acetic acid/ H ₂ O 4/2/2 (v/v/v) plate : silicagel 60 F ₂₅₄ detected by : UV, ninhydrin, chlorine-tolidine
Assay (el.an)	99.5% (based on N-content)
Purity (TLC)	>99%
Storage	Store at 0-8 °C.
Remarks	See material safety data sheets for additional information. For laboratory use only.

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



Sashi Kumar
Quality Control Manager