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Certificate of Analysis

Catalogue Number	07087
Product	O-Sulfo-L-serine
Lot Number	000127-1073523
	L-Ser(SO ₃ H)-OH
CAS Number	626-69-7
Molecular Formula	C ₃ H ₇ NO ₆ S
Molecular Weight	185.16
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Appearance	White crystals
Solubility	Clear, colorless solution (50 mg/ml in water)
Melting Point	212 °C
Elemental Analysis (Found)	C= 19.8%; H= 3.6%; N= 7.6%
Water Content (Karl Fisher)	0.2%
TLC System	n-butanol/acetic acid/H ₂ O (4/2/2) 2-butanol/pyridine/H ₂ O (7/7/6) Plate : silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 10.8 ° (C=3.4%, in 1N HCl)
Assay	101.8% (Cfd: 19.81%)
Purity by TLC	> 99%
Storage	Store at 0 - 8 °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