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Certificate of Analysis

Catalogue Number	03137
Product	O-Benzyl-L-serine
Lot Number	000782-01061 L-Ser(Bzl)-OH
CAS Number	4726-96-9
Molecular Formula	C ₁₀ H ₁₃ NO ₃
Molecular Weight	195.2
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Appearance	Off-white powder
Solubility	Clear solution (0.3 g in 2mL 1N HCl)
Water Content (Karl Fisher)	0.05%
TLC System	Ethyl acetate/n-Butanol/Acetic acid/Water (2:1:1:1)
Optical Rotation	[α] _D ²⁰ = +22.9° (C=1 in AcOH:1M HCl = 8:2)
Infrared Spectrum	Conforms to structure
Residual Solvents	Acetone
Residue On Ignition	0.06%
¹H NMR	Conforms to structure
Assay by titration	100.2%
D-Enantiomer	< 0.3%
Purity by HPLC	99.8%
Purity by TLC	> 99%
Storage	Store at 0-8 °C

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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