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Certificate of Analysis

Catalogue Number	00429
Lot Number	000424-140515-16210
Product	O-tert-Butyl-L-serine L-Ser(tBu)-OH
CAS Number	18822-58-7
Molecular Formula	C ₇ H ₁₅ NO ₃
Molecular Weight	161.2

Appearance	White powder
Solubility	Clear solution (0.1 g in 2 mL Water)
Melting Point	221.6 - 221.8 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Optical Rotation	[α] _D ²⁰ = -15.9 ° (C=1 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.94% (70 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.41%
Purity by TLC	> 98%
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