

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02452
Lot Number	000424-141208-36101
Product	Fmoc-L-serine
CAS Number	73724-45-5
Molecular Formula	C ₁₈ H ₁₇ NO ₅
Molecular Weight	327.3

Appearance	White powder
Solubility	Clear solution (0.3 gram in 2 ml DMF)
Melting Point	87.0-90.8 °C
Elemental Analysis (Found)	< 5%
Water Content (Karl Fisher)	4.98%
Optical Rotation	[α] _D ²⁰ = - 11.7(C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.74% (40 °C 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	99.21%
Purity by TLC	> 98%
Storage	Store at RT
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