

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01404
Lot Number	000424-140818-13009
Product	S-Trityl-L-cysteine

L-Cys(Trt)-OH

(+)-S-Trityl-L-cysteine

CAS Number	2799-07-7
Molecular Formula	C ₂₂ H ₂₁ NO ₂ S
Molecular Weight	363.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL AcOH)
Melting Point	162.9-163.9 °C
Water Content (Karl Fisher)	0.359%
Optical Rotation	[α] _D ²⁰ = +109.5° (C=0.8% in 0.04 M ethanolic HCl)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.59% (70 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.73%
Storage	Store at 0-8 °C

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Catalog Number: 01404

Lot Number: 000424-140818-13009

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager