



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-254991
Lot Number: SAMPLE
Product Name: Boc-Cys(Trt)-OH
CAS Number: 21947-98-8
Molecular Formula: $C_{27}H_{29}NO_4S$
Molecular Weight: 463.59

Test	Specification	Result
Appearance		Off-white crystalline powder
Identification (Infrared Spectrum)	Consistent with reference	Complies
Purity		100%
Purity (HPLC)		99.9%
Purity (TLC)		> 99%
Melting Point		148 - 150 °C
Residual Solvents		Diethylether, Ethylacetate
Solubility		Clearly soluble (0.5 mmole in 1 ml DMF)
Optical Rotation ($\alpha_{20/D}$)		+25.8° (c=1, MeOH)
Kaiser Test		Negative
Water Content (KF)		0.18%
Amino Acid Analysis		< 0.3% of the free amino acid

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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