



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-253113
Lot Number: SAMPLE
Product Name: N-Isobutyryl-L-cysteine
CAS Number: 124529-02-8
Molecular Formula: $C_7H_{13}NO_3S$
Molecular Weight: 191.25

Test	Specification	Result
Appearance (Color)	White to off white	White
Appearance (Form)	Powder or crystals	Powder
Enantiomeric Content	$\geq 99.5: 0.5$ (HPLC)	100.0: 0.0 (HPLC)
Identification (1H -NMR)	Consistent with structure	Complies
Purity (Redox Titration)	97.0 - 102.0%	99.4% (Iodometric)
Purity (Sodium Hydroxide Titration)	97.0 - 102.0% (0.1 M NaOH)	99.6%
Melting Point	97 - 101 °C	98 °C

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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