



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-284930A
Lot Number: SAMPLE
Product Name: Acetyl-L-threonine methyl ester
CAS Number: 2458-78-8
Molecular Formula: $C_7H_{13}NO_4$
Molecular Weight: 175.18

Test	Specification	Result
Appearance		White powder
Identification (TLC)		Consistent with authentic material
Purity		99.9% based on carbon content
Purity (TLC)		> 99%
Melting Point		104 °C
Solubility		Clear, colorless solution (50 mg/ml in MeOH)
Optical Rotation ($\alpha_{24/D}$)		-12.4° (1% in MeOH)
Carbon Content	48.0%	47.9%
Hydrogen Content	7.5%	7.4%
Nitrogen Content	8.0%	Complies
Water Content (KF)		< 0.1%

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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