



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-295277
Lot Number: SAMPLE
Product Name: L-γ-Carboxyglutamic acid
CAS Number: 53861-57-7
Molecular Formula: $C_6H_9NO_6$
Molecular Weight: 191.14

Test	Result
Appearance	White powder
Purity (TLC)	> 99%
Melting Point	178 °C (Decomposes)
Solubility	Clear, colorless solution (50 mg/ml in 1N HCl)
Optical Rotation ($\alpha_{24/D}$)	+40.6° (1% in 6N HCl)
Carbon Content	36.7% (Calcd.as x 0.38 H ₂ O (3.5%))
Hydrogen Content	4.7% (Calcd.as x 0.38 H ₂ O (3.5%))
Nitrogen Content	7.2% (Calcd.as x 0.38 H ₂ O (3.5%))
Water Content (KF)	3.7%

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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