



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-475999  
Lot Number: SAMPLE  
Product Name: L-Glutamic acid  $\alpha$ -4-nitroanilide  
CAS Number: 24032-35-7  
Molecular Formula:  $C_{11}H_{13}N_3O_5$   
Molecular Weight: 267.24

Test	Result
Appearance	Yellowish product
Identification (TLC)	Complies
Purity (TLC)	> 99%
Melting Point	169 - 171 °C
Solubility	Clear, yellowish solution (10 mg/ml in acetic acid 80%)
Optical Rotation ( $\alpha_{24/D}$ )	+59.2° (C = 1% in acetic acid)
Acetone	3.9%
Carbon Content	49.26%
Hydrogen Content	5.19%
Nitrogen Content	15.09%
Water Content (KF)	1.4%

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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