



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-207788
Lot Number: SAMPLE
Product Name: L-Alanine 4-nitroanilide hydrochloride
CAS Number: 31796-55-1
Molecular Formula: $C_9H_{11}N_3O_3 \cdot HCl$
Molecular Weight: 245.66

Test	Specification	Result
Appearance	Yellow powder	Almost white powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 99\%$	100.0%
Solution (Color)	Yellow to yellow-green at 50 mg/ml in water	Slightly greenish-yellow (GY4) at 50 mg/ml in water
Solution (Turbidity)	Clear to very slightly hazy at 50 mg/ml in water	Clear (< 3.5 NTU) at 50 mg/ml in water
Carbon Content	43.3 - 44.7% (anhydrous basis)	43.6%
Nitrogen Content	16.8 - 17.4% (anhydrous basis)	17.0%
Water Content		4.7%

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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