



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-300886
Lot Number: SAMPLE
Product Name: L-Lysine 4-nitroanilide dihydrobromide
CAS Number: 40492-96-4
Molecular Formula: $C_{12}H_{18}N_4O_3 \cdot 2HBr$
Molecular Weight: 428.12

Test	Specification	Result
Appearance (Color)	Off-white	Off-white
Appearance (Form)	Powder	Powder
Identification (Infrared Spectrum)	Complies with structure	Complies
Purity (TLC)	$\geq 98 \%$	$> 99 \%$
Concentration	C=1 in water at 25 deg	C=1 in water at 25 deg
Solution (Color)	Faint yellow	Faint yellow (Y5)
Solution (Turbidity)	Clear to very faintly turbid (< 12.5 NTU)	Clear (< 3.5 NTU)
Specific Rotation ($\alpha_{20/D}$)	$+60^\circ \pm 2^\circ$	60.9°
Carbon	32.8 - 34.5 %	33.57 %
Nitrogen	12.7 - 13.4 %	12.99 %
Water Content		1.06 %

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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