



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-255122  
Lot Number: SAMPLE  
Product Name: DL-5-Hydroxylysine hydrochloride  
CAS Number: 13204-98-3  
Molecular Formula:  $C_6H_{15}ClN_2O_3$   
Molecular Weight: 198.65

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	$> 99\%$
Solution (Color)	Colorless to faintly yellow solution at 50 mg/ml in water	Colorless
Solution (Turbidity)	Clear ( $< 3.5$ NTU) solution at 50 mg/ml in water	Clear
Specific Rotation ( $\alpha_{20/D}$ )	$0^\circ$ ( $c = 1$ in 1M hydrochloric acid at $25^\circ C$ )	Complies
Carbon Content	35.4 - 37.2%	36.0%
Nitrogen Content	13.7 - 14.5%	13.8%

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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