



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-286044
Lot Number: SAMPLE
Product Name: L-2,4-Diaminobutyric acid hydrochloride
CAS Number: 1482-98-0
Molecular Formula: $C_4H_{10}N_2O_2 \cdot HCl$
Molecular Weight: 154.60

Test	Result
Appearance	White to off-white powder
Identification (1H-NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with structure
Purity (TLC)	> 98%
Melting Point	219.5 - 224.1 °C
Solubility	Clear solution (0.3 gram in 2 ml H ₂ O)
Optical Rotation ($\alpha_{20/D}$)	+ 7.45 ° (C=2 in H ₂ O)
Loss on Drying	0.5% (80 °C for 2 hours)

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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