



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-294254A
Lot Number: SAMPLE
Product Name: D-Penicillamine Hydrochloride
CAS Number: 2219-30-9
Molecular Formula: $C_5H_{11}NO_2S \cdot HCl$
Molecular Weight: 185.67
Native Source: Synthetic

Test	Specification	Result
Appearance	White to Off-White solid	Complies
Identification (NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Purity (TLC)		98%
Elemental Analysis		%C: 29.31 %H: 6.94 %N: 6.96
Solubility		Aqueous Base (Slightly, Heated, Sonicated), Methanol (Slightly, Heated)
Specific Rotation		-47.6° (c = 0.3, 1M NaOH)
Chlorine Content		17.84% (by Ion Chromatography)
Water Content (KF)		9.1%

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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