



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-477580
Lot Number: SAMPLE
Product Name: D-Penicillamine Disulfide
CAS Number: 20902-45-8
Molecular Formula: $C_{10}H_{20}N_2O_4S_2$
Molecular Weight: 296.41

Test	Specification	Result
Appearance	White powder or crystals	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 97\%$	98%
Solubility	Clear to very slightly hazy and colorless to faint yellow at 10 mg/ml in water	Clear colorless
Optical Rotation	$-79 - -71^\circ$ (c = 1%, 1 N NaOH)	-75°
Carbon Content	39.1 - 41.9%	39.7%
Nitrogen Content	9.1 - 9.8%	9.2%
Sulfur	20.9 - 22.4%	21.4%

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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