



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-200566
Lot Number: SAMPLE
Product Name: Captopril
CAS Number: 62571-86-2
Molecular Formula: $C_9H_{15}NO_3S$
Molecular Weight: 217.3

Test	Specification	Result
Appearance	White to off-white solid	White solid
Assay (Dried Basis)	98 - 102%	99.94%
Identification (Infrared Spectrum)	Consistent with standard reference	Complies
Solubility	Soluble in water, chloroform, dichloromethane or 100% ethanol	Complies
Optical Rotation ($\alpha_{20/D}$)	$-130^\circ \pm 4.0^\circ$ (c=1 % in 100% ethanol)	-127.7°
Heavy Metals	≤ 20 ppm	< 20 ppm
Impurity	Captopril disulfide: $\leq 0.3\%$ 3-Mercapto-2-methyl propanoic acid: $\leq 0.1\%$	Captopril disulfide: 0.223% 3-Mercapto-2-methyl propanoic acid: 0.006%
Loss on Drying	$\leq 1.0\%$	0.21%
Ethyl Acetate	≤ 100 ppm	9.34 ppm
Sulfated Ash	$\leq 0.2\%$	0.04%

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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