



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202996
Lot Number: SAMPLE
Product Name: Cimetidine
CAS Number: 51481-61-9
Molecular Formula: $C_{10}H_{16}N_6S$
Molecular Weight: 252.34

Test	Specification	Result
Appearance	White or off-white crystalline powder	Complies
Assay	$\geq 99\%$	99.7%
Identification (Infrared Spectrum)	Conforms to structure	Complies
Melting Point	139 - 144 °C	142 - 143 °C
Residue on Ignition	$\leq 0.1\%$	Complies
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	$\leq 0.5\%$	0.29%
Related Substances	Individual impurity: $\leq 0.2\%$ Total impurities: $\leq 1.0\%$	Complies
Chloride	$\leq 0.008\%$	Complies
Ethanol	$\leq 0.5\%$	Complies

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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