



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205862
Lot Number: SAMPLE
Product Name: Tinidazole
CAS Number: 19387-91-8
Molecular Formula: $C_8H_{13}N_3O_4S$
Molecular Weight: 247.27

Test	Specification	Result
Appearance	White or light yellow crystalline powder	Complies
Assay (HPLC)	$\geq 99 \%$	99.5 %
Identification (Infrared Spectrum)	Conforms to structure	Complies
Identification (TLC)	Conforms to structure	Complies
Identification (UV)	Conforms to structure	Complies
Melting Point	125 - 128 °C	126 °C
Solubility	Practically insoluble in water, soluble in acetone and in methylene chloride, sparingly soluble in methanol	Complies
Heavy Metals	≤ 20 ppm	Complies
Loss on Drying	$\leq 0.5 \%$	0.1 %
Related Substances	Impurity A: $\leq 0.5\%$ Impurity B: $\leq 0.5\%$ Any other single unidentified impurity: $\leq 0.5\%$ Total impurities: $\leq 1.0\%$	Complies
Sulfated Ash	$\leq 0.1 \%$	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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