



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-204805  
Lot Number: SAMPLE  
Product Name: Metronidazole  
CAS Number: 443-48-1  
Molecular Formula:  $C_6H_9N_3O_3$   
Molecular Weight: 171.15

Test	Specification	Result
Appearance	White to yellowish crystalline powder	Complies
Assay	99.0% - 101.0%	99.60%
Melting Point	159 °C - 163 °C	160.5 °C - 160.8 °C
Residue on Ignition	≤ 0.1%	0.03%
Solubility	Slightly soluble in water, in acetone, in alcohol, and in methylene chloride	Complies
Infrared Spectrum	Specific absorbance 365-395	375
Heavy Metals	≤ 20 ppm	<20 ppm
Loss on Drying	≤ 0.5%	0.23%
Related Substances	Impurity: ≤0.1% Total Impurity: ≤0.2% Disregard limit: 0.01%	0.054% 0.090% Pass

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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