



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205864 S
Lot Number: SAMPLE
Product Name: Tioconazole
CAS Number: 65899-73-2
Molecular Formula: $C_{16}H_{13}Cl_3N_2OS$
Molecular Weight: 387.71

Test	Specification	Result
Appearance	White or off-white crystalline powder	Complies
Assay	99-101%	99.3%
Identification (Infrared Spectrum)	Conforms to Structure	Complies
Residue on Ignition	≤0.1%	0.08%
Solubility	Freely soluble in Ethanol; Soluble in Methylene dichloride; Slightly soluble in water.	Complies
Heavy Metals	≤50 ppm	30 ppm
Related Substances	Impurity A ≤0.3% Impurity B ≤0.3% Impurity C ≤0.3% Single Impurity ≤0.1% Total Impurities ≤1.0%	Complies Complies Complies Complies 0.52%
Chloride	≤0.05%	Complies
Solvent residue	Ethanol ≤600 ppm Toluene ≤890 ppm	100 ppm 120 ppm
Sulfate	≤0.05%	Complies
Sulfated Ash	≤0.1%	0.08%
Water Content (KF)	≤0.5%	0.23%

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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