



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-3583  
Lot Number: SAMPLE  
Product Name: Clotrimazole  
CAS Number: 23593-75-1  
Molecular Formula:  $C_{22}H_{17}ClN_2$   
Molecular Weight: 344.843

Test	Specification	Result
Appearance	White or off-white crystalline powder	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Identification (TLC)	Conforms to structure	Complies
Purity (HPLC)	≥98-102%	99.2%
Residue on Ignition	≤0.1%	0.05%
Heavy Metals	≤10 ppm	Complies
Loss on Drying	≤0.5%	0.13%
Related Substances	(o-Chlorophenyl)diphenylmethanol ≤0.2% Each known impurity ≤0.2% Each unknown impurity ≤0.2% Total impurities ≤0.5%	Complies Complies Complies Complies
Imidazole	≤0.2%	Complies
Solvent residue	Benzene ≤2 ppm Toluene ≤890 ppm	Complies 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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