



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-285282
Lot Number: SAMPLE
Product Name: Cefprozil monohydrate
CAS Number: 121123-17-9
Molecular Formula: $C_{18}H_{19}N_3O_5S \cdot H_2O$
Molecular Weight: 407.44

Test	Result
Appearance	Yellowish crystalline powder
Crystallinity	Complies
Identification (Infrared Spectrum)	Sample spectrum exhibits maxima and minima only at the same wavelength as the standard
Purity (HPLC)	97.0% (on anhydrous basis)
Particle Size	-d (0.1): 11 μm -d (0.5): 46 μm -d (0.9): 118 μm
pH	5.0 unit at room temperature
Solubility	Completely soluble, colorless solution
Potency (Anhydrous)	970 $\mu g/mg$
Ratio	cefprozil (E)-isomer: 0.1
Water Content (KF)	4.0%
Microbial Contamination	Conforms to the standard

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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