



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204838
Lot Number: SAMPLE
Product Name: Pefloxacin mesylate dihydrate
CAS Number: 149676-40-4
Molecular Formula: $C_{17}H_{20}FN_3O_3 \cdot CH_4O_3S \cdot 2H_2O$
Molecular Weight: 465.50

Test	Result
Appearance	A white or pale yellow crystalline powder
Assay (Dried Basis)	99.4%
Identification	Moist potassium iodide-Amylum Test paper turn blue
Identification	Show reddish brown
Identification	Maximum absorbance at 276nm and 318nm
Clarity of Solution	Clear
pH	4.20
Residue on Ignition	0.05%
Solubility	Freely soluble in water, slightly soluble in ethanol and practically insoluble in chloroform
Color of Solution	<7#
Heavy Metals	<20 ppm
Loss on Drying	7.6%
Related Substances	Complies
Fluorine	4.29%

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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