



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202326
Lot Number: SAMPLE
Product Name: Rufloxacin Hydrochloride
CAS Number: 106017-08-7
Molecular Formula: $C_{17}H_{18}FN_3O_3S \cdot HCl$
Molecular Weight: 399.87

| Test | Specification | Result |
|------------------------------------|--|-----------------------------|
| Appearance | Off-white to light green crystalline solid | Off-white crystalline solid |
| Identification (Infrared Spectrum) | Identical to standard reference | Complies |
| Purity | $\geq 98 \%$ | 99.2 % |
| Residue on Ignition | $\leq 0.2 \%$ | 0.08 % |
| Solubility | Sparingly soluble in water; very slightly soluble in methanol; almost insoluble in chloroform or acetic acid | Complies |
| Heavy Metals (ICP) | ≤ 20 ppm | Complies |
| Loss on Drying | $\leq 2.0 \%$ | 0.42 % |
| Sulfated Ash | $\leq 0.2 \%$ | 0.14 % |

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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