



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-205758  
Lot Number: SAMPLE  
Product Name: Moxifloxacin Hydrochloride  
CAS Number: 186826-86-8  
Molecular Formula:  $C_{21}H_{24}FN_3O_4 \cdot HCl$   
Molecular Weight: 437.89

Test	Specification	Result
Appearance	Yellow crystalline powder	Yellow crystalline powder
Assay	98.0~102.0%	99.7%
Identification (HPLC)	Corresponding to reference retention time	Complies
pH	3.9~4.6	4.25
FTIR	Corresponding to reference spectrum	Complies
Optical Rotation	-125 ~ -138 °C	-126.16 °C
Total Impurities	≤0.3%	0.26%
Chloride	Positive	Positive
Impurity A	≤0.1%	Complies
Sulfated Ash	≤0.1%	0.07%
Water Content	≤4.5%	3.90%

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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