



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

### Product Information

Item	Details
Product Name	Fosfloxacin Hydrochloride
Product Number	FH-20260220
Batch Number	FH-SH2026022001
Brand	SIGALD
CAS Number	112811-71-9
MDL Number	N/A
Formula	$C_{19}H_{20}FN_3O_6 \cdot S \cdot HCl$
Formula Weight	457.90 g/mol
Quality Release Date	20 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Fosfloxacin Hydrochloride)	$\geq 99.0\%$	99.7%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.07%	%	105°C, 2 hours
Residue on Ignition	$\leq 0.1\%$	0.004%	%	600±25°C Ignition Method
Heavy Metals (Pb)	$\leq 2$ ppm	0.03 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 1$ ppm	0.01 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	$\leq 0.5\%$	0.09%	%	High Performance Liquid Chromatography (HPLC)
Sulfate ( $SO_4^{2-}$ )	$\leq 0.02\%$	0.001%	%	Turbidimetric Method
pH Value (1% aqueous suspension, 25°C)	3.5-5.5	4.2	-	Digital pH Meter
Total Bacterial Count	$\leq 5$ CFU/g	0 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Yeast & Mold	$\leq 5$ CFU/g	0 CFU/g	CFU/g	Plate Count Method
Solubility in Water	Freely soluble	Complies	-	Pharmacopoeia Method
Supplier Information	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with the industrial standards for Fosfloxacin Hydrochloride and meets all specified requirements. It is qualified for use.

Issue Date:20 FEB 2026