



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Diclofenac Sodium
Product Information

Product Number DS-20260205
Batch Number DS-SH2026020501
Brand SIGALD
CAS Number 15307-79-6
MDL Number MFCD00064148
Formula $C_{14}H_{10}Cl_2NNaO_2$
Molecular Weight 318.13 Da
Quality Release Date 05 FEB 2026

Test Results

Test	Specification (USP/EP/BP Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Free-flowing crystalline powder	-	Visual Inspection
Assay (HPLC, dry basis)	$\geq 99.0\%$	99.8%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	283-285°C	284.2°C	°C	Capillary Melting Point Apparatus
Loss on Drying	$\leq 0.5\%$	0.15%	%	Gravimetry (105°C, 2h)
Residue on Ignition	$\leq 0.1\%$	0.02%	%	600°C Ignition Method
pH Value (1% aq. solution, 25°C)	7.0-8.5	7.8	-	Digital pH Meter
Heavy Metals (Pb)	≤ 10 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl^-)	$\leq 0.01\%$	0.002%	%	Volumetric Method
Sulfate (SO_4^{2-})	$\leq 0.01\%$	0.001%	%	Turbidimetric Method
Related Substances	$\leq 0.5\%$	0.08%	%	HPLC
Total Aerobic Microorganisms	≤ 100 CFU/g	12 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Particle Size (Pass through)	$\geq 95\%$ 100 mesh	99%	-	Sieve Analysis
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with USP/EP/BP and Chinese Pharmacopoeia pharmaceutical raw material standards and meets all specified requirements. It is qualified for use in pharmaceutical preparations, oral/topical anti-inflammatory analgesic formulations and scientific research applications.

Issue Date:05 FEB 2026