



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Diclofenac Product Information

Product Number DC-20260205
Batch Number DC-SH2026020501
Brand SIGALD
CAS Number 15307-86-5
MDL Number MFCD00010319
Formula $C_{14}H_{11}Cl_2NO_2$
Molecular Weight 296.15 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)	≥ 99.0%	99.6%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	156-158°C	157.5°C	°C	Melting Point Apparatus (Capillary Method)
Loss on Drying	≤ 0.5%	0.21%	%	Gravimetry (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.04%	%	600°C Ignition Method
pH Value (1% aq. suspension, 25°C)	6.0-7.5	6.7	-	Digital pH Meter
Heavy Metals (Pb)	≤ 10 ppm	1.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl ⁻)	≤ 0.01%	0.004%	%	Volumetric Method
Sulfate (SO ₄ ²⁻)	≤ 0.01%	0.003%	%	Turbidimetric Method
Related Substances	≤ 0.5%	0.11%	%	HPLC
Total Aerobic Microorganisms	≤ 100 CFU/g	21 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Particle Size (Pass through)	≥95% 100 mesh	98%	-	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, topical medicinal cosmetics and scientific research.

Issue Date:05 FEB 2026