



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Indometacin Product Information

Product Number IND-20260205
Batch Number IND-SH2026020501
Brand SIGALD
CAS Number 53-86-1
MDL Number MFCD00005934
Formula $C_{19}H_{16}ClNO_4$
Molecular Weight 357.79 Da
Quality Release Date 05 FEB 2026

Test Results

| Test | Specification (USP/EP/BP Standard) | Result | Unit | Test Method |
|--|---------------------------------------|---------------------------------|-------|---|
| Appearance (Color) | White to pale yellow | White | - | Visual Inspection |
| Appearance (Form) | Crystalline powder | Free-flowing crystalline powder | - | Visual Inspection |
| Assay (HPLC, dry basis) | ≥ 99.0% | 99.6% | % | High Performance Liquid Chromatography (HPLC) |
| Melting Point | 158-162°C | 159.8°C | °C | Capillary Melting Point Apparatus |
| Loss on Drying | ≤ 0.5% | 0.20% | % | Gravimetry (105°C, 2h) |
| Residue on Ignition | ≤ 0.1% | 0.03% | % | 600°C Ignition Method |
| pH Value (1% aq. suspension, 25°C) | 6.0-7.5 | 6.8 | - | Digital pH Meter |
| Heavy Metals (Pb) | ≤ 10 ppm | 0.8 ppm | ppm | Atomic Absorption Spectrometry (AAS) |
| Heavy Metals (As) | ≤ 2 ppm | 0.2 ppm | ppm | Atomic Fluorescence Spectrometry (AFS) |
| Chloride (Cl ⁻) | ≤ 0.01% | 0.002% | % | Volumetric Method |
| Sulfate (SO ₄ ²⁻) | ≤ 0.01% | 0.001% | % | Turbidimetric Method |
| Related Substances | ≤ 0.5% | 0.09% | % | HPLC |
| Total Aerobic Microorganisms | ≤ 100 CFU/g | 15 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 pharmaceutical raw material industrial standards and meets all specified requirements. It is qualified for use in pharmaceutical preparations, anti-inflammatory analgesic formulations and scientific research applications.

Issue Date:05 FEB 2026