



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

### Product Name: Ibuprofen Product Information

Product Number IBU-20260215  
Batch Number IBU-SH2026021501  
Brand SIGALD  
CAS Number 15687-27-1  
MDL Number MFCD00058515  
Formula  $C_{13}H_{18}O_2$   
Molecular Weight 206.28 Da  
Quality Release Date 15 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)	≥ 99.0%	99.6%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	75-78°C	76.3°C	°C	Capillary Melting Point Apparatus
Loss on Drying	≤ 0.5%	0.12%	%	Gravimetry (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.01%	%	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	0.4 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl <sup>-</sup> )	≤ 0.01%	0.001%	%	Volumetric Method
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤ 0.01%	0.001%	%	Turbidimetric Method
Related Substances	≤ 0.5%	0.05%	%	HPLC
Total Aerobic Microorganisms	≤ 100 CFU/g	6 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Particle Size (Pass through)	≥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 pharmaceutical raw material industrial standards and meets all specified requirements. It is qualified for use in pharmaceutical preparations, anti-inflammatory analgesic & antipyretic formulations and scientific research applications.

Issue Date:15 FEB 2026