



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Phenacetin

Product Information

Product Number PNT-20260222
Batch Number PNT-SH2026022201
Brand SIGALD
CAS Number 62-44-2
MDL Number MFCD00009901
Formula $C_{10}H_{13}NO_2$
Formula Weight 179.22 g/mol
Quality Release Date 22 FEB 2026

Test Results

Test	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, no caking	Crystalline powder, no caking	-	Visual Inspection & Sieve Test (80 mesh)
Identification (HPLC)	Conforms to standard	Conforms	-	High Performance Liquid Chromatography (HPLC)
Assay (on dry basis)	99.0-101.0%	99.7%	%	High Performance Liquid Chromatography (HPLC)
Melting Range	133-136°C	134.2-135.5°C	°C	Melting Point Apparatus
Loss on Drying	≤ 0.5%	0.21%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.1%	0.04%	%	Gravimetric Method
pH Value (1% suspension, 25°C)	5.0-7.0	6.2	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 100 CFU/g	16 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Solubility (in ethanol, 25°C)	≥ 20 g/L	25.6 g/L	g/L	Gravimetric Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial standards for Phenacetin and meets all specified requirements. It is qualified for use as organic synthesis intermediate and laboratory reference material. **NOT FOR PHARMACEUTICAL, MEDICAL OR FOOD USE.**

Issue Date:22 FEB 2026