



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Sodium Benzoate
Product Number	SB-20260222
Batch Number	SB-SH2026022201
Brand	SIGALD
CAS Number	532-32-1
MDL Number	MFCD00002458
Formula	$C_7 H_5 O_2 Na$ ($C_6 H_5 COONa$)
Formula Weight	144.11 g/mol
Quality Release Date	22 FEB 2026

Test Results

Test	Specification (Food/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder/granules	Crystalline powder	-	Visual Inspection
Purity ($C_7 H_5 O_2 Na$)	$\geq 99.0\%$	99.5%	%	Acid-Base Titration
Moisture Content (Loss on Drying)	$\leq 0.5\%$	0.2%	%	Gravimetric Method (105°C)
pH Value (5% aq. solution, 25°C)	7.0–8.5	7.8	-	Digital pH Meter
Benzoic Acid Content	$\leq 0.5\%$	0.2%	%	High Performance Liquid Chromatography (HPLC)
Chloride (Cl^-)	$\leq 0.01\%$	0.003%	%	Silver Nitrate Titration
Sulfate (SO_4^{2-})	$\leq 0.01\%$	0.002%	%	Turbidimetric Method
Heavy Metals (Pb)	≤ 2 ppm	0.5 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	$\leq 0.002\%$	0.0008%	%	Spectrophotometry
Mercury (Hg)	≤ 0.01 ppm	0.003 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Insoluble Matter in Water	$\leq 0.01\%$	0.002%	%	Gravimetric Method

Certification

This batch of product has been tested in accordance with **food grade and industrial grade** standards for sodium benzoate and meets all specified requirements. It is qualified for use in food, beverage and industrial applications.

Issue Date: 22 FEB 2026