



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Information

Item	Details
Product Name	Articaine Hydrochloride
Product Number	AH-20260228
Batch Number	AH-SH2026022801
Brand	SIGALD
CAS Number	23964-57-0
MDL Number	N/A
Formula	$C_{13}H_{20}N_2O_3 \cdot HCl$
Formula Weight	288.77 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Articaine Hydrochloride)	$\geq 99.0\%$	99.7%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.09%	%	105°C, 2 hours
Residue on Ignition	$\leq 0.1\%$	0.01%	%	600±25°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.07 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	$\leq 0.5\%$	0.12%	%	HPLC
Chloride (Cl^-)	12.2-12.8%	12.5%	%	Volumetric Method
Sulfate (SO_4^{2-})	$\leq 0.05\%$	0.003%	%	Turbidimetric Method
Melting Point	174-178°C	176.2°C	°C	Melting Point Apparatus
pH Value (1% aqueous solution, 25°C)	4.0-6.0	5.0	-	Digital pH Meter
Total Bacterial Count	≤ 10 CFU/g	0 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Yeast & Mold	≤ 10 CFU/g	0 CFU/g	CFU/g	Plate Count Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with the industrial standards for Articaine Hydrochloride and meets all specified requirements. It is qualified for use.

Issue Date:28 FEB 2026