



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Information

Item	Details
Product Name	Ropivacaine Hydrochloride
Product Number	RH-20260220
Batch Number	RH-SH2026022001
Brand	SIGALD
CAS Number	84057-95-4
MDL Number	N/A
Formula	C ₁₇ H ₂₆ N ₂ O · HCl
Formula Weight	310.86 g/mol
Quality Release Date	20 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 (Ropivacaine Hydrochloride)	≥ 99.0%	99.8%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.5%	0.09%	%	105°C, 2 hours
Residue on Ignition	≤ 0.1%	0.01%	%	600±25°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	≤ 0.5%	0.12%	%	HPLC
Chloride (Cl ⁻)	11.4-12.0%	11.7%	%	Volumetric Method
Sulfate (SO ₄ ²⁻)	≤ 0.05%	0.004%	%	Turbidimetric Method
Melting Point	144-148°C	146.5°C	°C	Melting Point Apparatus
pH Value (1% aqueous solution, 25°C)	4.0-6.0	4.9	-	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 Ropivacaine Hydrochloride and meets all specified requirements. It is qualified for use.
Issue Date:20 FEB 2026