



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Information

Item	Details
Product Name	Doxapram Hydrochloride
Product Number	DP-20260228
Batch Number	DP-SH2026022801
Brand	SIGALD
CAS Number	7081-53-0
MDL Number	N/A
Formula	$C_{24}H_{30}N_2O_2 \cdot HCl$
Formula Weight	414.97 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 (Doxapram Hydrochloride)	$\geq 99.0\%$	99.7%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.06%	%	105°C, 2 hours
Residue on Ignition	$\leq 0.1\%$	0.009%	%	600±25°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.09 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	$\leq 0.5\%$	0.10%	%	HPLC
Chloride (Cl ⁻)	8.5-9.1%	8.8%	%	Volumetric Method
Sulfate (SO ₄ ²⁻)	$\leq 0.05\%$	0.002%	%	Turbidimetric Method
Melting Point	214-218°C	216.5°C	°C	Melting Point Apparatus
pH Value (1% aqueous solution, 25°C)	3.5-5.5	4.6	-	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
Solubility in Water	Freely soluble	Complies	-	Pharmacopoeia Method
Supplier Information	Confirmed	Confirmed	-	-

Certification

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

Issue Date: 28 FEB 2026