



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Information

Item	Details
Product Name	Midazolam Hydrochloride
Product Number	MH-20260220
Batch Number	MH-SH2026022001
Brand	SIGALD
CAS Number	78214-87-0
MDL Number	N/A
Formula	$C_{18}H_{13}ClFN_3 \cdot HCl$
Formula Weight	362.23 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 (Midazolam Hydrochloride)	$\geq 99.5\%$	99.8%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.06%	%	105°C, 2 hours
Residue on Ignition	$\leq 0.1\%$	0.007%	%	600±25°C Ignition Method
Heavy Metals (Pb)	≤ 2 ppm	0.08 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	$\leq 0.3\%$	0.09%	%	HPLC
Chloride (Cl ⁻)	19.5-20.5%	20.1%	%	Volumetric Method
Sulfate (SO ₄ ²⁻)	$\leq 0.02\%$	0.001%	%	Turbidimetric Method
Melting Point	194-198°C	196.2°C	°C	Melting Point Apparatus
pH Value (1% aqueous solution, 25°C)	3.0-4.5	3.8	-	Digital pH Meter
Total Bacterial Count	≤ 5 CFU/g	0 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Yeast & Mold	≤ 5 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 Midazolam Hydrochloride and meets all specified requirements. It is qualified for use.

Issue Date:20 FEB 2026