



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (Metronidazole)

Issue Date: 18 FEB 2026 Quality Release Date: 18 FEB 2026

### Product Name

Metronidazole

### Product Information

Product Number MT-20260218  
Batch Number MT-SH2026021801  
Brand SIGALD  
CAS Number 443-48-1  
MDL Number MFCD00009656  
Formula  $C_6H_9N_3O_3$   
Formula Weight 171.16 g/mol

### Test Results

Test	Specification (Pharmacopoeial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (on dry basis)	$\geq 99.0\%$	99.5%	%	High Performance Liquid Chromatography (HPLC)
Related Substances (Total)	$\leq 0.5\%$	0.22%	%	HPLC (USP 45)
Single Impurity	$\leq 0.1\%$	0.04%	%	HPLC (USP 45)
Loss on Drying	$\leq 0.5\%$	0.13%	%	Vacuum Drying at 60°C for 4h
Residue on Ignition	$\leq 0.1\%$	0.02%	%	Gravimetric Method (ChP 2025)
Heavy Metals (Pb)	$\leq 10$ ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 2$ ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Bacterial Endotoxins	$\leq 0.5$ EU/ $\mu$ g	0.12 EU/ $\mu$ g	EU/ $\mu$ g	Limulus Amebocyte Lysate (LAL) Test
Sterility	Sterile	Sterile	-	Membrane Filtration Method
Melting Point	159 ~ 163°C	161.2°C	°C	Melting Point Apparatus
pH Value (0.1% aqueous suspension, 25°C)	5.0 ~ 7.0	6.1	-	Digital pH Meter

### Certification

This batch of Metronidazole has been tested in accordance with the **United States Pharmacopeia (45 Edition)** and **Chinese Pharmacopoeia (2025 Edition)**. All test results meet the specified pharmacopoeial requirements for pharmaceutical raw materials, and the product is qualified for use in the production of clinical antibacterial, anti-trichomonal and anti-amoebic preparations.