



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

Quality Release Date: 05 FEB 2026 Issue Date: 05 FEB 2026

### Product Information

Product Name Thiamine  
Product Number TH-20260205  
Batch Number TH-SH2026020501  
Brand SIGALD  
CAS Number 59-43-8  
MDL Number MFCD00067302  
Formula  $C_{12}H_{17}ClN_4OS$   
Formula Weight 337.27 g/mol

### 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 (Purity)	≥ 98.0%	99.2%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 1.0%	0.3%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 10 ppm	2.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.4 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride Content	19.0-20.5%	19.8%	%	Volumetric Titration
pH Value (1% Aqueous Solution, 25°C)	2.7-3.4	3.1	-	Digital pH Meter
Melting Point	248-250°C (decomp)	249°C	°C	Melting Point Apparatus
Solubility in Water (25°C)	Soluble (≥10 g/100mL)	11.5 g/100mL	g/100mL	Solubility Test
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

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