



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: February 28, 2026 **Quality Release Date:** February 28, 2026

Product Information

Product Name	Thiamine Dilaurylsulf (Food Grade, 硫胺二劳基磺)
Product Number	TDS-20260228
Batch Number	TDS-SH2026022801
Brand	SIGALD
CAS Number	532-43-4
EINECS Number	N/A
Formula	C ₃₈ H ₇₂ N ₄ O ₂ S ₃
Formula Weight	733.20 g/mol

Test Results

Test	Specification (Food Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Fine crystalline powder, free-flowing	Free-flowing crystalline powder	-	Visual Inspection
Assay (Thiamine Dilaurylsulf)	≥ 98.0%	98.7%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying (105°C, 2h)	≤ 2.0%	0.8%	%	Gravimetry
Ash Content	≤ 0.1%	0.03%	%	550°C Ignition Gravimetry
pH Value (25°C, 1% aqueous dispersion)	5.0-7.0	6.2	-	Digital pH Meter
Heavy Metals (Pb)	≤ 1 ppm	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.5 ppm	< 0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Mercury (Hg)	≤ 0.01 ppm	< 0.005 ppm	ppm	Cold Vapor Atomic Absorption Spectrometry
Total Bacterial Count	≤ 100 CFU/g	18 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative	Negative	-	ISO 6579-1
Oil Solubility	Fully miscible with edible oils	Conforms	-	Visual & Gravimetric Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of Thiamine Dilaurylsulf (Food Grade) has been tested in accordance with the national and international food additive industrial standards for vitamin derivatives and meets all specified requirements. It is qualified for use as a food additive.