



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Issue Date:** February 29, 2026 **Quality Release Date:** February 29, 2026

### Product Information

Product Name	Spirulina (Feed Grade, Powder)
Product Number	SPI-F20260229
Batch Number	SPI-SH2026022901
Brand	SIGALD
CAS Number	724424-92-4
EINECS Number	N/A
Formula	Natural microalgae biomass ( <i>Spirulina platensis</i> )
Formula Weight	Variable (natural organic mixture)

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Dark green to blue-green	Dark green	-	Visual Inspection
Appearance (Form)	Free-flowing powder, no caking	Free-flowing powder	-	Visual Inspection
Crude Protein Content	≥ 60.0%	65.2%	%	Kjeldahl Method
Crude Fat Content	4.0% - 8.0%	5.8%	%	Soxhlet Extraction
Crude Fiber Content	≤ 8.0%	5.1%	%	Gravimetric Method
Ash Content	≤ 12.0%	9.5%	%	550 °C, 3h Ignition
Moisture (Loss on Drying)	≤ 8.0%	4.2%	%	105 °C, 2h Gravimetry
β-Carotene	≥ 1500 mg/kg	1860 mg/kg	mg/kg	HPLC
Phycocyanin	≥ 8.0%	9.8%	%	Spectrophotometry
Heavy Metals (Pb)	≤ 5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	< 0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.5 ppm	< 0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Mercury (Hg)	≤ 0.1 ppm	< 0.05 ppm	ppm	Cold Vapor AAS
Total Bacterial Count	≤ 10 <sup>4</sup> CFU/g	280 CFU/g	CFU/g	Plate Count Method
Yeast & Mold	≤ 10 <sup>2</sup> CFU/g	< 10 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative	Negative	-	ISO 6579-1
Solubility	Dispersible in water	Conforms	-	Visual Method

### Certification

This batch of Spirulina (Feed Grade) has been tested in accordance with the specified industrial standards for natural microalgae feed additives and meets all quality requirements. It is qualified for release and use in animal nutrition.