



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	Ferrous Sulphate Heptahydrate (Feed Grade)
Product Number	FES-F20260229
Batch Number	FES-SH2026022901
Brand	SIGALD
CAS Number	7782-63-0
EINECS Number	231-753-5
Formula	FeSO ₄ ·7H ₂ O
Formula Weight	278.01 g/mol

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	Bluish-green crystalline powder	Bluish-green crystals	-	Visual Inspection
Assay (as FeSO ₄ ·7H ₂ O)	≥ 98.0%	98.7%	%	Titration (KMnO ₄)
Iron (Fe) Content	≥ 20.0%	20.3%	%	Calculated
Acid Insoluble Matter	≤ 0.05%	0.01%	%	Gravimetric Method
Arsenic (As)	≤ 2 ppm	< 0.5 ppm	ppm	Atomic Fluorescence (AFS)
Lead (Pb)	≤ 10 ppm	1.8 ppm	ppm	Atomic Absorption (AAS)
Cadmium (Cd)	≤ 2 ppm	< 0.5 ppm	ppm	AAS
Mercury (Hg)	≤ 0.1 ppm	< 0.05 ppm	ppm	Cold Vapor AAS
Zinc (Zn)	≤ 50 ppm	12 ppm	ppm	AAS
Copper (Cu)	≤ 20 ppm	5 ppm	ppm	AAS
Manganese (Mn)	≤ 50 ppm	8 ppm	ppm	AAS
Loss on Drying	42.0% - 45.0%	43.8%	%	105°C, 2h
pH (5% Solution)	3.0 - 4.0	3.5	-	pH Meter

Certification

This batch of Ferrous Sulphate Heptahydrate has been tested in accordance with the specifications for feed grade mineral supplements. It meets all quality requirements, including heavy metal limits, and is approved for release.