



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	Curcumin (Feed Grade)
Product Number	CUR-F20260229
Batch Number	CUR-SH2026022901
Brand	SIGALD
CAS Number	458-37-7
EINECS Number	207-280-5
Formula	C ₂₁ H ₂₀ O ₆
Formula Weight	368.38 g/mol

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Orange to yellow crystalline powder	Orange crystalline powder	-	Visual Inspection
Appearance (Form)	Free-flowing powder, no caking	Free-flowing powder	-	Visual Inspection
Curcumin Purity (Assay)	≥ 95.0%	96.8%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 5.0%	2.3%	%	105°C, 2h Gravimetry
Ash Content	≤ 2.0%	0.8%	%	550°C, 3h Ignition
Heavy Metals (Pb)	≤ 5 ppm	1.1 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 ³ CFU/g	35 CFU/g	CFU/g	Plate Count Method
Yeast & Mold	≤ 10 ² CFU/g	< 10 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative	Negative	-	ISO 6579-1
Solubility in Ethanol	Soluble	Conforms	-	Visual & Gravimetric Method

Certification

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