



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

- Ginger Oleoresin

Product Name: Ginger Oleoresin **Product Information**

Product Number GOR-20260229
Batch Number GOR-SH2026022901
Brand SIGALD
CAS Number 8024-33-9
MDL Number MFCD00148165
Formula Natural oleoresin mixture (Main components: Gingerols, Shogaols)
Formula Weight Variable (natural complex mixture)
Quality Release Date 29 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Dark amber to brown	Dark amber	-	Visual Inspection
Appearance (Form)	Viscous liquid, paste-like	Viscous liquid	-	Visual Inspection
Total Gingerols Content	≥ 25.0%	30.8%	%	HPLC
Refractive Index (20°C)	1.5200-1.5400	1.5286	-	Abbe Refractometer
Relative Density (20/20°C)	0.980-1.020	0.996	-	Pycnometer Method
Optical Rotation (20°C)	-20.0° to 0.0°	-8.5°	°	Polarimeter
Heavy Metals (Pb)	≤ 5 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.09 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Water Content	≤ 0.5%	0.11%	%	Karl Fischer Titration
Acid Value (mg KOH/g)	≤ 10.0	4.2	mg KOH/g	Titrimetric Method
Solubility in 95% Ethanol	1:2 soluble (25°C)	1:2 soluble	-	Visual Inspection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

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

Issue Date: 29 FEB 2026