



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis

Product Name: Ethyl Oleate

Product Information

Item	Details
Product Number	EO-20260225
Batch Number	EO-SH2026022501
Brand	SIGALD
CAS Number	111-62-6
MDL Number	MFCD00009570
Formula	C ₂₀ H ₃₈ O ₂
Formula Weight	310.51 g/mol
Quality Release Date	25 FEB 2026

Test Results

Test	Specification (Industry/Food/Cosmetic Grade)	Result	Unit	Test Method
Appearance (Color)	Pale yellow to light amber	Pale yellow	-	Visual Inspection
Appearance (Form)	Clear oily liquid	Clear oily liquid	-	Visual Inspection
Assay (Ethyl Oleate)	≥98.0% (Food/Cos ≥99.0%)	99.6%	%	Gas Chromatography (GC)
Boiling Point	205-210°C (10 mmHg)	208.5°C (10 mmHg)	°C	Distillation Method
Refractive Index (n ₂₀ ²⁰ /D)	1.4420-1.4480	1.4453	-	Abbe Refractometer
Relative Density (20/20°C)	0.865-0.875	0.870	g/cm ³	Hydrometer Method
Flash Point (Closed Cup)	≥180°C	186°C	°C	Pensky-Martens Closed Cup
Water Content	≤0.1%	0.04%	%	Karl Fischer Titration
Residue on Ignition	≤0.1%	0.02%	%	Ignition at 600±50°C
Heavy Metals (Pb)	≤5 ppm (Food/Cos ≤1 ppm)	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤1 ppm	0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iodine Value	75-85 g I ₂ /100g	80.2 g I ₂ /100g	g I ₂ /100g	Wijs Method
Saponification Value	175-185 mg KOH/g	180.5 mg KOH/g	mg KOH/g	Titration Method
Solubility	Miscible with ethanol, ether, vegetable oil	Clear solution	-	Visual Inspection
Odor	Characteristic mild fatty ester odor, no off-flavor	Conforms to standard	-	Sensory Evaluation
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of Ethyl Oleate has been tested in accordance with national and industrial standards for fatty acid esters, food additives and cosmetic raw materials, and meets all specified requirements for food, cosmetic, pharmaceutical and industrial grade use. It is qualified for release and application.

Issue Date:25 FEB 2026