



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 Decanoate

Product Information

Item	Details
Product Number	ED-20260228
Batch Number	ED-SH2026022801
Brand	SIGALD
CAS Number	110-38-3
MDL Number	MFCD00008960
Formula	C ₁₂ H ₂₄ O ₂
Formula Weight	200.32 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification (Industry/Food/Fragrance Grade)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Assay (Ethyl Decanoate)	≥98.0% (Food/Fragrance ≥99.0%)	99.7%	%	Gas Chromatography (GC)
Boiling Point	243-247°C	245.2°C	°C	Distillation Method
Refractive Index (n ₂₀ ^D)	1.4250-1.4290	1.4271	-	Abbe Refractometer
Relative Density (20/20°C)	0.865-0.869	0.867	g/cm ³	Hydrometer Method
Flash Point (Closed Cup)	≥100°C	108°C	°C	Pensky-Martens Closed Cup
Water Content	≤0.1%	0.02%	%	Karl Fischer Titration
Residue on Ignition	≤0.1%	0.01%	%	Ignition at 600±50°C
Heavy Metals (Pb)	≤5 ppm (Food/Fragrance ≤1 ppm)	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Ethanol Solubility	Miscible (1:20 in 95% ethanol)	Clear solution	-	Visual Inspection
Odor	Characteristic fruity-waxy odor, no off-flavor	Conforms to standard	-	Sensory Evaluation
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of Ethyl Decanoate has been tested in accordance with national and industrial standards for aromatic chemicals, food flavor and fragrance raw materials, and meets all specified requirements for food, fragrance, cosmetic and industrial grade use. It is qualified for release and application.

Issue Date:28 FEB 2026