



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

(Isobornyl Acetate)

Issue Date: 28 FEB 2026 Quality Release Date: 28 FEB 2026

Product Name

Isobornyl Acetate (异龙脑乙酸酯)(Note: Correct name for CAS 125-12-2, not isoboric acid acetate)

Product Information

Product Number IA-20260228

Batch Number IA-SH2026022801

Brand SIGALD

CAS Number 125-12-2

MDL Number MFCD00007523

Formula C₁₂H₂₀ O₂

Formula Weight 196.29 g/mol

Form Colorless clear liquid, characteristic camphoraceous & woody aroma

Test Results

Test	Specification (Flavor & Fragrance/Cosmetic Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless clear liquid, no visible impurity	Colorless clear liquid	-	Visual Inspection (25°C)
Assay (Isobornyl Acetate)	≥ 99.0%	99.6%	%	Gas Chromatography (GC)
Refractive Index (n ₂₀ ^D)	1.460 ~ 1.464	1.462	-	Abbe Refractometer
Relative Density (25/25°C)	0.970 ~ 0.974	0.972	g/cm ³	Hydrometer Method
Boiling Point	220 ~ 222°C	221.5°C	°C	Distillation Method
Acid Value (as KOH)	≤ 1.0	0.2	mg KOH/g	Titration Method
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.05%	0.01%	%	550°C Muffle Furnace Ignition
Heavy Metals (Pb)	≤ 5 ppm	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Ethanol Solubility (1:5, 95% EtOH)	Clear homogeneous solution	Conforms	-	Solubility Test
Total Bacterial Count (Cosmetic/Flavor Grade)	≤ 100 CFU/mL	18 CFU/mL	CFU/mL	Plate Count Method
E. coli (Cosmetic/Flavor Grade)	Negative	Negative	-	Microbiological Detection

Certification

This batch of product has been tested in accordance with international flavor & fragrance and cosmetic grade industrial standards for Isobornyl Acetate and meets all specified requirements. It is qualified for use in flavor & fragrance, cosmetic, personal care and daily chemical manufacturing related fields.