



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

(Cinnamyl Acetate 醋酸肉桂酯)

Issue Date: 25 FEB 2026 Quality Release Date: 25 FEB 2026

### Product Name

Cinnamyl Acetate (醋酸肉桂酯)

### Product Information

Product Number CA-20260225

Batch Number CA-SH2026022501

Brand SIGALD

CAS Number 103-54-8

MDL Number MFCD00008725

Formula  $C_{11}H_{12}O_2$

Formula Weight 176.21 g/mol

Form Colorless to pale yellow clear liquid, characteristic cinnamon sweet aroma

### Test Results

Test	Specification (Flavor & Fragrance/Industrial Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless-pale yellow clear liquid, no foreign impurity	Colorless clear liquid	-	Visual Inspection (25°C)
Assay (Cinnamyl Acetate)	≥ 99.0%	99.5%	%	Gas Chromatography (GC)
Refractive Index ( $n_{20}^D$ )	1.532 ~ 1.536	1.534	-	Abbe Refractometer
Relative Density (25/25°C)	1.046 ~ 1.050	1.048	g/cm <sup>3</sup>	Hydrometer Method
Boiling Point	260 ~ 262°C	261.2°C	°C	Distillation Method
Acid Value (as KOH)	≤ 1.0	0.3	mg KOH/g	Titration Method
Water Content	≤ 0.1%	0.04%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.05%	0.02%	%	550°C Muffle Furnace Ignition
Heavy Metals (Pb)	≤ 5 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.07 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Ethanol Solubility (1:5, 95% EtOH)	Clear solution	Conforms	-	Solubility Test
Total Bacterial Count (Flavor Grade)	≤ 100 CFU/mL	18 CFU/mL	CFU/mL	Plate Count Method
E. coli (Flavor Grade)	Negative	Negative	-	Microbiological Detection

### Certification

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