



# 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 (COA)

### - Clove Bud Tincture (Extract)

**Product Name:** Clove Bud Tincture (Extract)**Product Information**

Product Number CBT-20260228  
Batch Number CBT-SH2026022801  
Brand SIGALD  
CAS Reference Main component: Eugenol (97-53-0); Tincture base (Ethanol, 64-17-5)  
Formulation Clove Bud Extract in 70% Food Grade Ethanol  
Net Ethanol Content 68.0-72.0% (v/v)  
Quality Release Date 28 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	Clear to slightly hazy amber liquid	Clear amber liquid	-	Visual Inspection (25°C)
Odor	Characteristic pungent clove aroma	Conforms	-	Sensory Evaluation
Eugenol Content (as is)	≥ 3.0%	3.8%	w/w	Gas Chromatography (GC)
Ethanol Content	68.0-72.0%	70.5%	v/v	GC-FID
Refractive Index (20°C)	1.4550-1.4650	1.4602	-	Abbe Refractometer
Relative Density (20/20°C)	0.860-0.880	0.872	-	Pycnometer Method
Water Content	≤ 30.0%	28.2%	w/w	Karl Fischer Titration
Acid Value (mg KOH/g)	≤ 3.0	1.2	mg KOH/g	Titrimetric Method
Heavy Metals (Pb)	≤ 5 ppm	0.6 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Microbiology (Total Plate Count)	≤ 100 CFU/mL	22 CFU/mL	CFU/mL	Plate Count Method
Microbiology (E. coli)	Negative	Negative	-	AOAC Method

**Certification** This batch of product has been tested in accordance with the company's internal standards for Clove Bud Tincture (Extract) and meets all specified requirements. It is qualified for use.

**Issue Date:** 28 FEB 2026