

## Certificate of Analysis (COA)

### - Common Jasmin Orange Concrete

**Issue Date:** 28 February 2026 **Product Name:** Common Jasmin Orange Concrete **CAS Number:** 90045-43-5 (Natural Plant Extract Mixture) **Product Number:** JOC-20260228 **Batch Number:** JOC-SH2026022801 **Brand:** SIGALD **Formula:** Natural floral extract mixture (Main components: Linalool, Limonene, Methyl Anthranilate) **Molecular Weight:** Variable (Natural complex mixture) **Quality Release Date:** 28 February 2026

Test	Specification (Fragrance Industry Standard)	Result	Unit	Test Method
Appearance (Form)	Dark yellow to orange-brown waxy solid	Orange-brown waxy solid	-	Visual Inspection (25°C)
Odor	Characteristic fresh Jasmin Orange floral scent	Typical Jasmin Orange aroma	-	Sensory Test (IFRA Standard)
Acid Value	10.0 - 30.0	18.6	mg KOH/g	Neutralization Titration
Ester Value	40.0 - 80.0	62.3	mg KOH/g	Esterification Titration
Refractive Index (40°C)	1.4800 - 1.4950	1.4875	-	Abbe Refractometer
Melting Point	45 - 55°C	49.2°C	°C	Melting Point Apparatus
Ash Content	≤ 0.5%	0.22%	%	Gravimetric Method
Water Content	≤ 0.5%	0.19%	%	Karl Fischer Titration
Heavy Metals (Pb)	≤ 5 ppm	< 1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	< 0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Residual Solvent (Hexane)	≤ 500 ppm	128 ppm	ppm	Gas Chromatography (GC-FID)
Total Bacterial Count	≤ 100 CFU/g	15 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection

### Certification

This batch of Common Jasmin Orange Concrete has been tested in accordance with the relevant international standards for natural fragrance concretes (ISO 9235) and all test results meet the specified quality requirements. The product is qualified for use in fragrance and cosmetic formulations.