VERISCENTS

MATERIALS FOR MODERN PERFUMERY

CERTIFICATE OF ANALYSIS

Product: Ginger Essential Oil — Fresh Organic | Botanical: Zingiber officinale

Lot-specific analytical data as reported in the supplied certificate. Source COA updated February 16, 2026.

Attribute	Reported value
Botanical	Zingiber officinale
Origin	Indonesia
Cultivation	Certified Organic (USDA, NOP) — per supplied COA
Extraction	Steam distilled, rhizome
Lot number	29
Manufactured	May 2025
Best by	May 2028

Physical and analytical tests

Test	Specification	Result
Specific gravity @20°C	0.872–0.894	0.8790
Refractive index @20°C	1.483–1.496	1.4893
Optical rotation @20°C	-52° to -12°	-25.09°
Appearance	Transparent liquid	Conforms
Color	Pale yellow to brown	Conforms
Odor	Warm, spicy-sweet fresh ginger	Conforms

Constituent profile — source COA

Constituent	Result (%)
Germacrene D + alpha zingiberene	34.35
Beta sesquiphellandrene + ar curcumene	17.29
Camphene	8.89
Geranial & neral	6.66
Phellandrene beta	4.52
Farnesene cis alpha	4.68
Bisabolene beta	6.80
Pinene alpha	2.96
Eucalyptol	2.63

Constituent	Result (%)
Limonene	1.48
Myrcene beta	1.30
6-methyl-5-hepten-2-one	0.09
Pinene beta	0.35
Nerolidol trans	0.44
Copaene	0.44
Linalool	0.35
Geranyl acetate	0.94
Phellandrene alpha	0.32
Geraniol	0.63
Terpinolene	0.23
Citronellal	0.27
Tricyclene	0.17
Paracymene	0.10

Reported as not available: beta elemene, germacrene B and bornyl acetate. Soluble in alcohol and fixed oils. Dilute before use.

Note: Constituent values in the lot COA differ from statistically derived allergen and IFRA statement values. These are reproduced as separately reported, without reconciliation or independent laboratory verification.