



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Specification
Product Name	Clove Bud Essential Oil CO ₂
Alternative Name	Clove Bud CO ₂ Extract
Botanical Name	<i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry
INCI Name	Syzygium Aromaticum (Clove) Bud Extract
CAS Number	8000-34-8
EC Number	284-638-7
Origin	Indonesia
Plant Part	Dried Flower Buds
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Grade	Premium Perfumery Grade
Product Type	Natural CO ₂ Extract

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear to slightly viscous liquid	Conforms
Colour	Pale Yellow to Amber	Conforms
Odour	Rich spicy clove, warm, sweet, woody	Conforms
Relative Density (20 °C)	1.035–1.065	Conforms
Refractive Index (20 °C)	1.530–1.540	Conforms
Flash Point	>100 °C	Conforms
Solubility	Soluble in ethanol and perfumery solvents	Conforms
Purity	100% Natural CO ₂ Extract	Conforms



Typical Naturally Occurring Constituents

Constituent	Status
Eugenol	Major Constituent
Eugenyl Acetate	Naturally Present
β -Caryophyllene	Naturally Present
α -Humulene	Naturally Present
Caryophyllene Oxide	Naturally Present
Acetyl Eugenol	Naturally Present
Methyl Salicylate	Trace Naturally Present
Vanillin	Trace Naturally Present
Sesquiterpenes	Naturally Present

Storage

Store tightly sealed in a cool, dry place away from direct sunlight, excessive heat and oxidising agents.

Shelf Life

36 months from the date of manufacture when stored under recommended conditions.

Conclusion

This material conforms to Aromology's quality specifications for Clove Bud Essential Oil CO₂ and is suitable for professional perfumery applications.

Batch Number: CBC-260710

Manufacturing Date: 11 May 2026

Retest Date: 11 May 2029

Issue Date: 10 July 2026

Prepared and Authorised By:

Fozia Khot
Director