



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Specification
Product Name	Clove Leaf Oil
Alternative Name	Rectified Clove Leaf Essential Oil
Botanical Name	<i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry
INCI Name	Syzygium Aromaticum (Clove) Leaf Oil
CAS Number	84961-50-2
EC Number	284-638-7
Origin	Indonesia
Plant Part	Leaves
Extraction Method	Steam Distillation followed by Fractional Rectification
Grade	Premium Perfumery Grade
Product Type	Rectified Natural Essential Oil

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Clean spicy clove, warm, sweet, phenolic	Conforms
Relative Density (20 °C)	1.040–1.065	Conforms
Refractive Index (20 °C)	1.530–1.540	Conforms
Optical Rotation	-2° to +2°	Conforms
Flash Point	>95 °C	Conforms
Solubility	Soluble in ethanol and perfumery solvents	Conforms
Purity	100% Rectified Natural Essential Oil	Conforms



Typical Naturally Occurring Constituents

Constituent	Status
Eugenol	Major Constituent (Typically 80–90%)
β -Caryophyllene	Naturally Present
Eugenyl Acetate	Naturally Present
α -Humulene	Naturally Present
Caryophyllene Oxide	Naturally Present
Acetyl Eugenol	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 storage conditions.

Conclusion

This material conforms to Aromology's quality specifications for Clove Leaf Oil (Rectified) and is suitable for professional perfumery, cosmetic and fragrance applications.

Batch Number: CLR-260710

Manufacturing Date: 13 May 2026

Retest Date: 13 May 2029

Issue Date: 10 July 2026

Prepared and Authorised By:

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