



## CERTIFICATE OF ANALYSIS (COA)

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**Aromology Trading LLC**  
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### PRODUCT INFORMATION

| Parameter         | Specification                                     |
|-------------------|---------------------------------------------------|
| Product Name      | Clove Leaf Essential Oil                          |
| Alternative Name  | Clove Leaf Oil                                    |
| Botanical Name    | <i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry |
| INCI Name         | Syzygium Aromaticum (Clove) Leaf Oil              |
| CAS Number        | 8000-34-8                                         |
| EC Number         | 284-638-7                                         |
| Origin            | Indonesia                                         |
| Plant Part        | Leaves                                            |
| Extraction Method | Steam Distillation                                |
| Grade             | Premium Perfumery Grade                           |
| Product Type      | Natural Essential Oil                             |

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### ANALYTICAL SPECIFICATION

| Test                     | Specification                                   | Result   |
|--------------------------|-------------------------------------------------|----------|
| Appearance               | Clear mobile liquid                             | Conforms |
| Colour                   | Pale Yellow to Brown                            | Conforms |
| Odour                    | Strong spicy, phenolic, warm, woody, clove-like | Conforms |
| Relative Density (20 °C) | 1.040–1.070                                     | 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% Pure Essential Oil                         | Conforms |



### Typical Naturally Occurring Constituents

| Constituent            | Status                               |
|------------------------|--------------------------------------|
| Eugenol                | Major Constituent (Typically 75–88%) |
| $\beta$ -Caryophyllene | Naturally Present                    |
| Eugenyl Acetate        | Naturally Present                    |
| $\alpha$ -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 storage conditions.

### Conclusion

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

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Batch Number: CLO-260710

Manufacturing Date: 12 May 2026

Retest Date: 12 May 2029

Issue Date: 10 July 2026

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Prepared and Authorised By:

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