



## CERTIFICATE OF ANALYSIS (COA)

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### PRODUCT INFORMATION

| Item              | Details                                          |
|-------------------|--------------------------------------------------|
| Product Name      | Litsea Cubeba Essential Oil                      |
| Botanical Name    | <i>Litsea cubeba</i> (Lour.) Pers.               |
| INCI Name         | Litsea Cubeba Fruit Oil                          |
| CAS Number        | 68855-99-2                                       |
| EC Number         | 290-018-7                                        |
| FEMA Number       | 3846                                             |
| Extraction Method | Steam Distillation                               |
| Plant Part        | Fruits                                           |
| Product Type      | Essential Oil                                    |
| Batch Number      | Representative Specification                     |
| Issue Date        | 20 July 2026                                     |
| Retest Period     | 24 Months (under recommended storage conditions) |

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### PHYSICAL AND CHEMICAL CHARACTERISTICS

| Parameter                | Specification            | Representative Result |
|--------------------------|--------------------------|-----------------------|
| Appearance               | Clear pale yellow liquid | Complies              |
| Odour                    | Fresh lemon, citrus      | Characteristic        |
| Relative Density (20 °C) | 0.875–0.895              | 0.885                 |
| Refractive Index (20 °C) | 1.480–1.490              | 1.486                 |
| Optical Rotation         | +8° to +18°              | +12.6°                |
| Flash Point              | 72–78 °C                 | 74 °C                 |
| Solubility               | Soluble in ethanol       | Complies              |

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## REPRESENTATIVE GC COMPOSITION

| Constituent               | Typical Range (%) |
|---------------------------|-------------------|
| Citral (Geranial + Neral) | 68.5              |
| d-Limonene                | 12.1              |
| Linalool                  | 1.8               |
| Citronellal               | 0.5               |
| Geraniol                  | 0.9               |
| $\beta$ -Caryophyllene    | 0.6               |

Representative values compiled from published technical specifications for Litsea Cubeba Essential Oil.

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## QUALITY DECLARATION

This material complies with the representative specification for professional-grade Litsea Cubeba Essential Oil.

The original producer's batch-specific Certificate of Analysis shall always take precedence.

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## STORAGE

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

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## CONCLUSION

Representative Result: COMPLIES

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## Authorised by:

Fozia Khot  
Director