



## CERTIFICATE OF ANALYSIS (COA)

### PRODUCT INFORMATION

**Product Name:** Premium Patchouli EO Light  
**Supplier Product Name:** Patchouli Musky Lite  
**Botanical Name:** Pogostemon cablin  
**INCI Name:** Pogostemon Cablin Leaf Oil  
**CAS Numbers:** 84238-39-1; 8014-09-3  
**Country of Origin:** Indonesia  
**Plant Parts Used:** Leaves and twigs  
**Process Description:** Selected early fractions of Patchouli Oil obtained through high-vacuum distillation  
**Product Type:** Fractionated natural patchouli essential oil

### BATCH INFORMATION

**Lot Number:** 24070209-1  
**Purchase Order Number:** 4500708837  
**Customer IPC:** 53049728  
**Sample Request Number:** SR-2406149  
**Product IPC:** PL-503

### PHYSICAL AND CHEMICAL ANALYSIS

| Characteristic            | Test Method/Unit   | Specification                     | Result                 |
|---------------------------|--------------------|-----------------------------------|------------------------|
| Visual Description        | Visual             | Pale to dark-yellow mobile liquid | Complies with standard |
| Refractive Index at 20 °C | ISO 280:1998       | 1.490–1.515                       | 1.5054                 |
| Specific Gravity at 20 °C | ISO 279:1998       | 0.920–0.940                       | 0.9343                 |
| Optical Rotation at 25 °C | ISO 592            | –40.00° to –30.00°                | –35.8°                 |
| Acid Value                | ISO 1242, mg KOH/g | 0–4                               | 1.12                   |

### COMPOSITIONAL ANALYSIS

| Component           | Molecular Class | Unit | Specification | Assay Result |
|---------------------|-----------------|------|---------------|--------------|
| β-Caryophyllene     | Sesquiterpene   | %    | Report        | 5.57         |
| β-Patchoulene       | Sesquiterpene   | %    | Report        | 3.20         |
| δ-Bulnesene/Guajene | Sesquiterpene   | %    | Report        | 22.70        |



| Component         | Molecular Class       | Unit | Specification | Assay Result |
|-------------------|-----------------------|------|---------------|--------------|
| Patchouli Alcohol | Sesquiterpene alcohol | %    | Minimum 11.00 | 11.10        |

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## CONCLUSION

The tested sample of Premium Patchouli EO Light – Musky, Lot 24070209-1, complies with the stated physical, chemical and compositional specifications.

## QUALITY STATEMENT

This Certificate of Analysis is limited to the testing conducted on the stated production lot. It does not relieve the customer or buyer from conducting any additional testing necessary to establish the suitability of the material for its intended application and compliance with all applicable finished-product regulations.

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### Aromology

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