



CERTIFICATE OF ANALYSIS (COA)

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

PRODUCT INFORMATION

Parameter	Details
Product Name	Premium Patchouli Essential Oil
Botanical Name	<i>Pogostemon cablin</i> (Blanco) Benth.
INCI Name	Pogostemon Cablin Leaf Oil
Plant Part	Dried Leaves
Extraction Method	Steam Distillation
Ageing	Naturally Aged for Approximately – Dark (2 Years)
Product Type	100% Natural Essential Oil
Country of Origin	Indonesia
Region	Sulawesi
CAS Number	8014-09-3 / 84238-39-1
EC Number	282-493-4
FEMA Number	2838
Batch Number	PEOD2Y-260724

ORGANOLEPTIC CHARACTERISTICS

Test	Specification	Result
Appearance	Clear to slightly viscous mobile liquid	Conforms
Colour	Dark golden, amber to deep brown	Conforms
Odour	Rich, deep, earthy, woody, musky, herbaceous and mature patchouli	Conforms
Odour Strength	Strong and characteristic	Conforms
Foreign Matter	Free from visible foreign matter	Conforms
Sediment	None to slight natural sediment	Conforms

PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Relative Density at 20 °C	0.950–0.985	0.968



Refractive Index at 20°C	1.500–1.520	1.510
Optical Rotation at 20°C	-70.0° to -40.0°	-54.2°
Flash Point	>100°C	Conforms
Acid Value	≤5.0 mg KOH/g	1.8 mg KOH/g
Peroxide Value	≤10.0 meq O ₂ /kg	3.6 meq O ₂ /kg
Solubility in Water	Insoluble	Conforms
Solubility in Ethanol	Soluble to partly soluble	Conforms
Solubility in Perfumery Solvents	Soluble	Conforms

REPRESENTATIVE GC/MS PROFILE

Constituent	Representative Range
Patchouli Alcohol / Patchoulol	25.0–40.0%
α-Bulnesene	10.0–20.0%
α-Guaiene	8.0–18.0%
Seychellene	3.0–10.0%
β-Patchoulene	1.0–6.0%
Pogostol	0.5–4.0%
Caryophyllene	Trace–4.0%
Norpatchoulol	Trace–2.0%
Other Naturally Occurring Sesquiterpenes Balance	

The exact chromatographic profile may vary according to crop, fermentation, distillation, geographical source and ageing conditions.

QUALITY AND PURITY ASSESSMENT

Assessment	Status
Botanical Identification	Conforms
Organoleptic Identification	Conforms
Physicochemical Properties	Conforms
Matured Odour Profile	Conforms
Added Synthetic Fragrance	None Declared
Added Carrier Oil	None Declared
Added Colour	None Declared
Animal-Derived Ingredients	None
GMO-Derived Ingredients	Not Intentionally Added
Professional Perfumery Grade	Conforms
Overall Assessment	Approved

AGEING DECLARATION



This material has been stored and naturally matured for approximately two years under suitable controlled storage conditions.

Natural ageing may:

- Deepen the colour;
- Round off sharp or camphoraceous notes;
- Enhance woody, earthy and musky facets;
- Increase olfactory smoothness; and
- Produce minor natural variation in the analytical profile.

Ageing does not alter the botanical identity of the material.

STORAGE CONDITIONS

Store:

- In tightly closed, compatible containers;
- Preferably between 5 °C and 25 °C;
- In a cool, dry and well-ventilated area;
- Protected from direct sunlight;
- Protected from excessive heat and moisture;
- Away from strong oxidising agents;
- Away from strong acids and alkalis; and
- With minimum headspace after opening.

SHELF LIFE

A recommended retest period of 12 months from the issue date applies, subject to suitable storage and satisfactory organoleptic and analytical review.

IMPORTANT NOTICE

This Certificate of Analysis contains representative specifications for naturally aged Patchouli Essential Oil.

Natural variations may occur due to:

- Geographical origin;
- Harvest season;
- Plant maturity;
- Leaf fermentation and drying;
- Distillation conditions;



- Storage vessel;
- Oxygen exposure; and
- Ageing duration.

The original producer's batch-specific Certificate of Analysis, GC/MS report and analytical results shall take precedence where available.

CONCLUSION

The representative batch of Premium Patchouli Essential Oil – Dark (2 Years) complies with the stated organoleptic, physicochemical and quality specifications for professional perfumery and cosmetic fragrance use.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC