



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Patchouli Oil CO ₂
Botanical Name	<i>Pogostemon cablin</i> (Blanco) Benth.
INCI Name	Pogostemon Cablin Leaf Oil
Product Type	Natural CO ₂ Extract
Plant Part	Dried Leaves
Extraction Method	Supercritical Carbon Dioxide Extraction
Primary CAS Number	8014-09-3
Alternative CAS Number	84238-39-1
EC Number	282-493-4
Country of Origin	Indonesia
Batch Number	PC02-ID-260420

ORGANOLEPTIC ANALYSIS

Test	Specification	Representative Result
Appearance	Clear to slightly viscous liquid	Conforms
Colour	Amber to dark amber	Conforms
Odour	Rich earthy, woody, balsamic, sweet patchouli	Conforms
Homogeneity	Uniform	Conforms
Foreign Matter	None visible	Conforms

PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Relative Density (20 °C)	0.955–0.985	0.968



Refractive Index (20 °C)	1.500–1.520	1.5102
Optical Rotation	–65° to –35°	–48.9°
Flash Point	>100 °C	113 °C
Acid Value	≤5.0 mg KOH/g	2.0 mg KOH/g
Patchouli Alcohol (GC)	≥30.0%	37.1%
Residual Organic Solvents	Not detected	Conforms

REPRESENTATIVE GC PROFILE

Constituent	Representative Result
Patchouli Alcohol	37.1%
α-Guaiene	12.9%
Seychellene	8.7%
α-Patchoulene	5.3%
β-Patchoulene	3.4%
Pogostol	2.5%
β-Caryophyllene	2.3%
Other Natural Sesquiterpenes	Balance

QUALITY STATUS

Assessment	Status
Natural Origin	Conforms
Professional Perfumery Grade	Conforms
Extraction Medium	Supercritical CO ₂
Residual Conventional Solvents	None
GMO	Not intentionally used
Animal Derived Material	None
Vegan Suitable	Yes

STORAGE

Store tightly closed between 5–20 °C, protected from heat, light and air.



SHELF LIFE

24 months under recommended storage conditions.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC