



CERTIFICATE OF ANALYSIS (COA)

PRODUCT INFORMATION

Product Name: Patchoulol Crystals Natural 99.5%
Product Code: PL-001
Botanical Source: Ex - Patchouli
INCI Name: Pogostemon cablin extract
CAS Number: 5986-55-0
EC/EINECS Number: 227-807-2
Molecular Formula: C₁₅ H₂₆ O
Molecular Weight: 222.37 g/mol
Chemical Class: Oxygenated sesquiterpene alcohol
Product Type: Natural isolate
Country of Origin: Indonesia
Plant Part: Leaves
Production Method: Isolation, purification and crystallisation of the natural patchoulol fraction obtained from patchouli oil
Grade: Premium professional perfumery grade

BATCH INFORMATION

Batch Number: PAC-260723
Shelf Life: 24 months under recommended storage conditions

ORGANOLEPTIC ANALYSIS

Test	Specification	Result
Appearance	Crystalline solid	Conforms
Colour	White to pale-cream crystals	Conforms
Odour	Clean, woody, dry patchouli	Conforms
Odour Profile	Woody, earthy, camphoraceous, minty, musky and powdery	Conforms
Foreign Matter	None	Conforms

PHYSICOCHEMICAL ANALYSIS

Test	Specification	Result
Purity by GC	Minimum 99.5%	99.8%
Identification by GC-MS	Positive	Conforms
Melting Point	54–58 °C	56.2 °C
Moisture	Maximum 0.30%	0.08%
Residue on Ignition	Maximum 0.10%	0.03%



Test	Specification	Result
Water Solubility	Insoluble	Conforms
Ethanol Solubility	Soluble	Conforms
DMSO Solubility	Soluble	Conforms
DMF Solubility	Soluble	Conforms

COMPOSITION

Component	CAS Number	Specification	Result
Patchouli Alcohol/Patchoulol	5986-55-0	≥99.5%	99.8%
Other naturally occurring trace constituents	Various	≤0.5%	0.2%

QUALITY AND REGULATORY STATUS

Assessment	Status
Natural Origin	Conforms
Professional Perfumery Grade	Conforms
Synthetic Fragrance Ingredients	None intentionally added
Carrier or Diluent	None intentionally added
Preservatives	None intentionally added
Residual Solvents	None detected
GMO	Not intentionally used
Animal-Derived Material	None
Vegan Suitable	Yes

STORAGE

Store in a tightly closed original container at 5–20 °C. Protect from moisture, direct sunlight and excessive heat. Keep away from strong oxidising agents.

Reseal the container immediately after use to prevent contamination and moisture absorption.

CONCLUSION

The tested sample conforms to the stated specifications for Patchoulol Crystals Natural 99.5% – Premium and is suitable for professional perfumery and fragrance-manufacturing applications.



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