

# PT. SEPAKAT MULTI NIAGA

Jalan Lintas Krueng Mane-Sawang No.01, Muara Batu, Aceh Utara, Indonesia, 24355

**Hotline: (+62) 811 684 2202**

[www.smnindonesia.com](http://www.smnindonesia.com)

## CERTIFICATE OF ANALYSIS (COA)

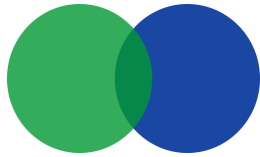
**Product Name** : Patchouli Oil  
**Botanical Name** : *Pogostemon cablin*  
**Origin** : Aceh, Indonesia  
**Batch Number** : 300725  
**Date of Production** : 30-May-2025  
**Date of Analysis** : 07-June-2025  
**Quantity** : 20 mL  
**Storage Conditions** : Store in a cool, dry place away from sunlight

### 1. Physical & Organoleptic Properties

Parameter	Specification	Result	Method
Appearance	Clear to light brown liquid	Conforms	Visual
Odor	Characteristic earthy, woody aroma	Conforms	Organoleptic
Specific Gravity (25°C)	0.950 – 0.975	0.962	ASTM D1298
Refractive Index (25°C)	1.505 – 1.515	1.510	ASTM D1218
Optical Rotation (25°C)	-50° to -65°	-58.2°	ISO 592
Solubility in Alcohol	Soluble in 90% ethanol	Conforms	Internal Method

### 2. Chemical Composition (GC-MS Analysis)

Component	Typical Range (%)	Result (%)
Patchouli Alcohol	30 – 40	35.6
$\alpha$ -Bulnesene	15 – 20	17.2
$\alpha$ -Guaiene	10 – 15	12.8
Seychellene	1 – 4	2.1
Pogostol	<1	0.6



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### 3. Microbiological & Heavy Metals (if applicable)

Parameter	Specification	Result	Method
Heavy Metals (Pb, Hg, etc)	<10 ppm	<5 ppm	AAS
Microbial Count (TAMC)	<100 CFU/g	<10 CFU/g	ISO 4833
Yeast & Mold	<10 CFU/g	Not Detected	ISO 21527

### Conclusion

The above Patchouli Oil sample complies with the required specifications and is suitable for export and commercial use in perfumery and cosmetics.

*Disclaimer: The information contained in this Certificate of Analysis is obtained from current and reliable sources and is provided in good faith. Tested batches may vary slightly between each Certificate of Analysis produced, but each batch will meet the required specifications. Please note that this COA is based on internal testing conducted independently by our in-house expert team as part of the early sampling process. Upon actual supply, a confirmatory analysis will be conducted at a certified and more credible laboratory to ensure accuracy and compliance.*

