



CERTIFICATE OF ANALYSIS (COA)

Product Information

Parameter	Specification
Product Name	Vetiver Essential Oil – Aged 5 Years
Botanical Name	<i>Chrysopogon zizanioides</i> (L.) Roberty (Syn. <i>Vetiveria zizanioides</i>)
INCI Name	Vetiveria Zizanioides Root Oil
CAS Number	8016-96-4
EC Number	282-490-8
Origin	Java, Indonesia
Plant Part	Roots
Extraction Method	Steam Distillation
Special Grade	Naturally Aged for 5 Years
Product Type	Natural Essential Oil

ANALYTICAL SPECIFICATION

Test	Specification	Result
Appearance	Clear to slightly viscous liquid	Conforms
Colour	Deep Amber to Dark Brown	Conforms
Odour	Rich woody, smoky, earthy, leathery, balsamic, mature vetiver	Conforms
Relative Density (20°C)	0.990–1.020	Conforms
Refractive Index (20°C)	1.520–1.535	Conforms
Optical Rotation	+15° to +35°	Conforms
Flash Point	>100°C	Conforms
Solubility	Soluble in ethanol	Conforms
Purity	100% Pure Steam Distilled Essential Oil	Conforms

Typical Naturally Occurring Constituents

Constituent	Status
Khusimol	Present
α -Vetivone	Present
β -Vetivone	Present
Vetiselinenol	Present
Isovalencenol	Present



Constituent		Status
Khusimene	Present	
Vetivenes	Present	
β -Humulene	Present	

The characteristic composition of Java vetiver oil is dominated by sesquiterpene alcohols and ketones, with ageing enhancing aroma smoothness while maintaining the natural composition.

Storage

Store in tightly sealed containers in a cool, dry place away from heat, direct sunlight and oxidising agents.

Shelf Life

36 months from the date of manufacture when stored under recommended conditions.

Conclusion

This product conforms to the above specification.

Prepared By:

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