



CERTIFICATE OF ANALYSIS (COA)

PRODUCT INFORMATION

Product Name: Vetiveryl Acetate
Product Code/IPC Number: VT-005
Chemical Name: Vetiveryl Acetate
Botanical Source: Ex - Vetiveria zizanioides
Botanical Synonym: Vetiveria zizanioides
CAS Numbers: 84082-84-8
EC/EINECS Number: 282-031-1
FEMA/GRAS Number: 4218
Product Type: Acetylated natural vetiver derivative/natural complex substance
Physical Form: Mobile liquid
Country of Origin: Indonesia
Plant Part: Roots
Manufacturing Process: Isolation of natural vetiver oil fractions followed by acetylation and fractional purification
Product Type: Natural vetiver derivative/natural complex substance
Grade: Professional perfumery grade
Physical Form: Liquid

ORGANOLEPTIC AND PHYSICOCHEMICAL ANALYSIS

Test	Specification	Result
Appearance	Pale-yellow to yellow mobile liquid	Conforms
Odour	Velvety vetiver, woody, earthy, fruity, sweet and dry	Conforms
Additional Odour Profile	Fresh-woody, smoky, herbaceous, spicy and caramel-like	Conforms
Refractive Index at 20 °C	1.512–1.519	Conforms
Specific Gravity at 25 °C	0.940–1.015	Conforms
Optical Rotation at 25 °C	+10° to +45°	Conforms
Flash Point	Approximately 105 °C	Conforms
Water Solubility	Insoluble	Conforms
Ethanol Solubility	Soluble	Conforms
Identification	Characteristic acetylated vetiver fraction	Conforms
Purity	Natural Vetiveryl Acetate fraction	Conforms

TYPICAL COMPOSITION

Constituent	CAS Number	Specification/Status
Vetiveryl Acetate Isomers	Various	Principal constituents



Constituent	CAS Number	Specification/Status
Khusimyl Acetate	Various	Present
Acetylated Sesquiterpene Alcohols	Various	Present
α -Vetivone	15764-04-2	2.00–6.00%
β -Vetivenene	27840-40-0	0.00–5.00%
Dehydroaromadendrene	489-39-4	0.00–3.00%
Residual Natural Vetiver Alcohols	Various	Trace
Other Oxygenated Sesquiterpenes	Various	Naturally present

The composition may vary because Vetiveryl Acetate is manufactured from a naturally variable vetiver oil fraction.

QUALITY AND ADDITIVE STATUS

Assessment	Status
Natural Vetiver-Derived Material	Conforms
Professional Perfumery Grade	Conforms
Intentionally Added Carrier	None
Intentionally Added Diluent	None
Intentionally Added Preservative	None
Animal-Derived Ingredients	None expected
Appearance and Odour	Conforms to standard

STORAGE

Store in tightly sealed original containers in a cool, dry and well-ventilated location. Protect from heat, moisture, direct sunlight and strong oxidising agents.

Minimise exposure to air and reseal the container immediately after use.

SHELF LIFE

Recommended shelf life is 36 months from the manufacturing date when stored in unopened original packaging under the recommended conditions.

CONCLUSION

The material conforms to the stated quality specifications for Vetiveryl Acetate (Indonesia) and is suitable for professional perfumery, fragrance, cosmetic, soap, candle and home-fragrance applications, subject to the applicable IFRA maximum-use levels.



Aromology

G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

Authorised by:

Fozia Khot
Director
Aromology Trading LLC