

Only for industrial use**1 - IDENTIFICATION**

Type of product : Organic FFL Essential Oil
Botanical name : Chrysopogon zizanioides (L.) Roberty (Syn : Vetiveria zizanioides (L.) Nash)
Part of plant : Root
Country of harvest / gathering : MADAGASCAR
Country of manufacturing : MADAGASCAR
Process : Distillation
Natural content : 100,00 %

Preservative agent / Antioxidant / Preservative :

| Designation | N° CAS | % |
|-------------|--------|------|
| None | None | None |

Carrier :

| Designation | N° CAS | % |
|-------------|--------|------|
| None | None | None |

2 - PRODUCT CERTIFICATIONS

Kosher certification : No
Halal certification : No
Others : ORGANIC : Coming from organic farming, certified by Ecocert France SAS FR-BIO-01
Fair Trade certified according to the Fair for Life standard

3 - ORGANOLEPTIC AND ANALYTICAL DATA

Odour : Woody, earthy and smoked
Appearance : Viscous liquid
Color : Amber brown to reddish
Specific gravity (D20/20) : 0,9900 / 1,0500
Refractive Index (ND20) : 1,5200 / 1,5300
Optical Rotation at 20° C : 17,0000 / 40,0000 °
GC profile (area%) : Conforms to standard
GC(area%) Vetivenene Beta : 0 / 9,00 %
GC(area%) Vetivone Beta : 0 / 8,00 %
GC(area%) Khusimol : 4,00 / 18,00 %
GC(area%) Vetivone alpha : 0 / 9,00 %
GC(area%) Zizanoic acid : 0 / 20,00 %

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Golgemma

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4 - REGULATION

INVENTORIES

N° CAS TSCA : 8016-96-4
N° CAS EINECS : 84238-29-9
N° EC : 282-490-8

| Country inventories | Listed | Country inventories | Listed |
|---------------------|--------|---------------------|--------|
| TSCA Active | Yes | ISHL | Yes |
| EINECS | Yes | KECI | No |
| AIC | Yes | PICCS | Yes |
| DSL | Yes | NzLOC | Yes |
| nDSL | No | TCSI | Yes |
| IECSC | Yes | | |

FOOD

Inventories registration does not guarantee food grade status, use in food applications is under customer responsibility.

Food allergens (EC Regulation n° 1169/2011) : None

INVENTORIES :

N° FEMA : -
N° CoE : 479
N° FDA : 172.510

FRAGRANCE AND COSMETIC

INCI name (CosIng) : 100% VETIVERIA ZIZANIOIDES ROOT OIL
INCI name (PCPC) : 100% VETIVERIA ZIZANIOIDES ROOT OIL
INCI IECIC : Listed
INCI IECIC : VETIVERIA ZIZANIOIDES ROOT OIL

5 - PACKAGING, HANDLING, STORAGE AND SHELF LIFE

Store in the original closed container ambient temperature between 15°C and 25°C protected from air and light.

Shelf life : 36 Months

All our packaging are approved for food contact according to current European regulation.

6 - MISCELLANEOUS

This data sheet is completed to the best of our knowledge at the indicated date about above product(s) and remains the property of the issuer. As such the given information remains confidential.

The information above is given for guidance only. Although the greatest care has been taken to ensure its accuracy, changing regulations and individual product characteristics may require specification modifications or make it necessary to disclaim any warranty, expressed or implied, or liabilities. It belongs to the user, under his responsibility, to ensure the conditions and possibilities of use of the product(s), in particular with regard to laws and regulations. It's important to remind that the certifications and the manufacturing practices and environment are related to the grade (food/non-food) of the products. In case of dispute relating to the information communicated pursuant to regulations, only regulations in force shall prevail.

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