

## PROCESSING METHOD

Essential Oil obtained by steam distillation from the root of *Chrysopogon zizanioides* (L.) Roberly (Syn : *Vetiveria zizanioides* (L.) Nash)

## PHYSICAL PROPERTIES

Odour: Woody, earthy and smoked  
Apperance: Viscous liquid  
Color: Amber brown to reddish

## CHEMICAL PROPERTIES

Specific gravity at 20°C 0,990 to 1,050  
Refractive index at 20°C 1,520 to 1,530  
Optical rotation at 20°C +17,0 ° to +40,0 °  
Flash point >= +100 °C  
Acid value N.A.  
Peroxide value N.A.

## MAIN INGREDIENTS

Zizanoic acid (<= 20,00%)  
Khusimol (4,00 to 18,00%)  
Isovalencenol (<= 14,00%)  
Beta vetivene (<= 9,00%)  
Alpha vetivone (<= 9,00%)  
Beta vetivone (<= 8,00%)

## TECHNICAL SPECIFICATIONS

NCS, Natural Complex Substance (100% pure and natural)

N° CAS TSCA 8016-96-4  
N° CAS EINECS 84238-29-9  
N° EINECS 282-490-8  
N° FEMA -  
N° FDA 172.510  
N° CoE 479n  
FCC -  
RIFM x  
FMA x  
AFNOR NF T 75-344  
INCI VETIVERIA ZIZANOIDES ROOT OIL  
COUNTRY OF HARVEST MADAGASCAR



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## **HANDLING AND STORING**

Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

## **SPECIAL INDICATIONS**

The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (Annex III of Regulation (EC) N°1223/2009 of 30 november 2009 on cosmetic products)

Present allergens:

None

IFRA restrictions:

Not regulated

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