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Certificate of Analysis & Gas Chromatography **Organic Palmarosa Essential Oil (Cymbopogon martinii)**

General information

Product name Palmarosa oil* org
Country of origin Nepal
Batch-No. 300418-5

Essential oil obtained by steam distillation of the freshly cut and slightly dried grass of Cymbopogon martini; 100% pure.

Cultivation * = organic cultivation
INCI Cymbopogon MartiniOil
CAS-Nr. 84649-81-0
EINECS-Nr. 283-461-2
Storage information Keep cool, dry, protected from light and container tightly closed.

Test parameters

start / end date of analysis 18.01.2018–29.01.2018

| Parameter | Method | Specification | Result |
|--|----------------------------------|----------------|----------|
| Appearance | organoleptic | pale yellow | Conforms |
| Odour | organoleptic | characteristic | Conforms |
| Density (20°C) in g/cm ³ | according to DINENISO 15212-1 | 0,870-0,900 | 0,886 |
| Peroxide value in meq O ₂ /kg | according to DGF-C-VI 6a | < 20,00 | 12,72 |

Chromatographic analysis conditions

| | |
|------------|---------------------------------------|
| Instrument | Perkin Elmer Clarus 500 GC/ FID/ MS |
| Column | 5% Diphenyl + 95% Dimethylpolysiloxan |

Chromatographic profile

| Components | % |
|----------------------|-------|
| b-Myrcene | 0,19 |
| Limonene* | 0,23 |
| c-b-Ocimene | 0,44 |
| 1,8-Cineol | 0,24 |
| t-b-Ocimene | 1,64 |
| Linalool* | 1,97 |
| Nerol + Citronellol* | 0,48 |
| Neral* | 0,67 |
| Geraniol* | 78,23 |
| Geranial* | 1,16 |
| Geranyl acetate | 9,80 |
| b-Caryophyllene | 1,57 |
| Geranyl butyrate | 0,12 |
| Caryophyllene oxide | 0,15 |
| t-t-Farnesol* | 0,35 |
| Geranyl hexanoate | 0,40 |

labelling of sensitizer according to the Regulation (EC) No 1223/2009 on cosmetic products

Confirmation

According to the REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30.11.2009 for cosmetic products we confirm for this oil:

- No use of substances classified as carcinogens, mutagens and substances toxic to reproduction (CMR's) of the category 1A or 1B or 2 in part 3 of annex VI of REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16.12.2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Free of genetically modified organism (GMO).
- Are plant-derived and do not contain any animal-derived materials; therefore they represent no risk of BSE/TSE.
- No animal-testing according to article 18.

LES ANALYSES DONT LES RESULTATS SONT PRESENTES SUR CE DOCUMENT ONT ETE EFFECTUEES PAR LE LABORATOIRE DE NOTRE FOURNISSEUR

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31.01.2018