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DATA SHEET

NIAOULI MADAGACAR ORG OIL GMP

Melaleuca quinquenervia (Cav.) S. T. Blake (Syn: Melaleuca viridiflora var. rubriflora Pancher ex Brongn. & Gris)

Number of pages : 2
Created on : 02/11/2003
Modified on : 18/06/2019
Last update : 04/05/2021

TDS B680P

Version 04.53

Organic product certified by FR-BIO-01

PROCESSING METHOD

Essential Oil obtained by steam distillation from twigs and leaves of *Melaleuca quinquenervia* (Cav.) S.T.Blake (Syn: *Melaleuca viridiflora* var. *rubriflora* Pancher ex Brongn. & Gris)

PHYSICAL PROPERTIES

Odour : Aromatic and note of cineol
Appearance : Limpid mobile liquid
Color : Colorless to pale yellow

CHEMICAL PROPERTIES

Specific gravity at 20°C : 0,904 to 0,925
Refractive index at 20°C : 1,463 to 1,472
Optical rotation at 20°C : -4,0 ° to +1,0 °
Flash point : +50 °C
Acid value : N.A.
Peroxide value : N.A.

MAIN INGREDIENTS

Cineol 1,8 (Eucalyptol) (45,00 to 65,00%)
Alpha pinene (5,00 to 15,00%)
D-Limonene (5,00 to 10,00%)
Viridiflorol (2,50 to 9,00%)
Alpha terpineol (3,00 to 8,00%)
Para cymene (0,05 to 4,00%)
Beta pinene (1,00 to 4,00%)
Trans-nerolidol (0,05 to 1,50%)
Benzaldehyde (0,05 to 0,50%)
Methyl eugenol (<= 0,05%)
Isomethyleugenol (<= 0,05%)

TECHNICAL SPECIFICATIONS

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

N°CAS TSCA : 8014-68-4
N°CAS EINECS : 132940-73-9
N°EINECS : 310-217-5
N°FEMA : -
N°FDA : -
N°CoE: : -
FCC : -
RIFM : -
FMA : -

AFNOR : -
INCI : MELALEUCA QUINQUENERVIA OIL (Syn : MELALEUCA VIRIDIFLORA LEAF OIL)
Country of harvest : MADAGASCAR
Country of manufacturing : MADAGASCAR

HANDLING, STORING AND SHELF LIFE

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

Shelf life : 22 months from the date of manufacture

TRANSPORT INFORMATION

Hazard Class 3, Packing group III, UN n°1169

Customs rate code : 3301 29 11

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 : **D-Limonene (5,00 to 10,00%), Linalool (0,10 to 1,00%), Geraniol (0,01 to 1,00%), Eugenol (<= 0,50%)**
- IFRA restrictions : **This substance and/or some of its components are covered by the Code of Practice of the IFRA in effect, available on the internet website www.ifraorg.org**

Comment : Regarding the number of significant figures of the specifications , it is useful to refer to both, COA of the batch and pharmacopoeia rules.

Contact **M. DENAT Jean-François**

This sheet has been updated on 04/05/2021

Number of pages : 2

Printed on : 04/05/2021

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