501 SPICES

Trust the Source

VANILLA • SPICES • ESSENTIAL OILS

FROM MADAGASCAR

TECHNICAL DATA SHEET

NIAOULI ESSENTIAL OIL

Melaleuca quinquenervia (Cav.) S.T. Blake

1. PRODUCT IDENTIFICATION

Parameter	Specification
Product Name	Niaouli Essential Oil
Botanical Name	Melaleuca quinquenervia (Cav.) S.T. Blake
Family	Myrtaceae
Country of Origin	Madagascar
Part Used	Leaves
Process	Steam Distillation
CAS Number	132940-73-9
EINECS Number	310-217-5

2. DESCRIPTION

100% pure and natural essential oil obtained by steam distillation of Niaouli leaves.

Product is free from additives and solvents.

3. ORGANOLEPTIC CHARACTERISTICS

Parameter	Specification
Appearance	Clear mobile liquid
Color	Colorless to pale yellow
Odor	Powerful, fresh, camphoraceous, aromatic and medicinal

4. PHYSICAL & CHEMICAL CHARACTERISTICS

Parameter	Specification
Relative Density at 20°C	0.902 – 0.914

Values may vary according to raw material and batch.

5. MAIN CONSTITUENTS (TYPICAL RANGE)

Constituent	Typical Range (%)
1,8-Cineole	50.0 – 68.0
α-Pinene	4.0 – 15.0
α-Terpineol	4.0 – 12.0
β-Pinene	1.0 – 4.5
Limonene	4.0 – 10.0
Viridiflorol	1.5 – 7.5
(E)-β-Caryophyllene	0.5 – 3.0
Other identified compounds	up to 100

The composition may vary according to raw material and batch.

6. PACKAGING

Villa Martin 25 Rue Labigorn | Cité Duplex Pile 32/12 | 501 Toamasina – Madagascar

trade@501-spices.com | +261 32 90 332 36

Packed in food-grade HDPE drums, net weight 25 kg.

7. STORAGE CONDITIONS

Store in a cool, dry place, away from light and heat, in tightly closed containers.

8. SHELF LIFE

24 months under recommended storage conditions.

9. REGULATORY COMPLIANCE

This product complies with:

- IFRA Standards, latest revision
- Regulation (EC) No. 396/2005 and subsequent amendments regarding Maximum Residue Levels (MRLs) for pesticides
- 100% Pure and Natural Essential Oil