501 SPICES

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VANILLA • SPICES • ESSENTIAL OILS

FROM MADAGASCAR

TECHNICAL DATA SHEET

CINNAMON LEAF ESSENTIAL OIL

Cinnamomum zeylanicum Blume

1. PRODUCT IDENTIFICATION

Parameter	Specification
Product Name	Cinnamon Leaf Essential Oil
Botanical Name	Cinnamomum zeylanicum Blume
Family	Lauraceae
Country of Origin	Madagascar
Part Used	Leaves
Process	Steam Distillation
CAS Number	8015-91-6
EINECS Number	283-479-0

2. DESCRIPTION

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

Product is free from additives and solvents.

3. ORGANOLEPTIC CHARACTERISTICS

Parameter	Specification
Appearance	Clear mobile liquid
Color	Light to dark amber
Odor	Warm, spicy, characteristic of eugenol

4. PHYSICAL & CHEMICAL CHARACTERISTICS

Parameter	Specification
Relative Density at 20°C	1.037 – 1.053
Refractive Index at 20°C	1.527 – 1.540
Optical Rotation at 20°C	−2.5° to +2°

Values per ISO 3524:2003 (Sri Lanka type reference), pending confirmation against 501 Spices' own batch analysis.

5. MAIN CONSTITUENTS (TYPICAL RANGE)

Constituent	Typical Range (%)
Eugenol	54 – 89
Eugenyl Acetate	0.1 – 21
Cinnamaldehyde	0 – 6
Cinnamyl Acetate	0 – 9
β-Caryophyllene	0 – 13
Benzyl Benzoate	0.2 – 20
Linalool	0 – 5
Safrole	0 – 29
Methyl Eugenol	0 – 2
α-Pinene	0 – 6
β-Myrcene	0 – 4

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

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Limonene	0 – 3
1,8-Cineole	0 – 7
Other identified compounds	up to 100

6. PACKAGING

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 is intended to comply 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

Note: this oil contains safrole (see Section 5, up to 6.4% measured on the analyzed lot) and may contain methyl eugenol. IFRA compliance for finished fragrance/cosmetic applications is subject to the applicable IFRA restriction limits for these substances and should be confirmed by the formulator based on the finished product's use category and concentration.