501 SPICES

Trust the Source

VANILLA • SPICES • ESSENTIAL OILS

FROM MADAGASCAR

TECHNICAL DATA SHEET

CINNAMON BARK ESSENTIAL OIL

Cinnamomum zeylanicum Blume

1. PRODUCT IDENTIFICATION

Parameter	Specification
Product Name	Cinnamon Bark Essential Oil
Botanical Name	Cinnamomum zeylanicum Blume
Family	Lauraceae
Country of Origin	Madagascar
Part Used	Bark
Process	Steam Distillation
CAS Number	84649-98-9 / 8015-91-6
EINECS Number	283-479-0

2. DESCRIPTION

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

Product is free from additives and solvents.

3. ORGANOLEPTIC CHARACTERISTICS

Parameter	Specification
Appearance	Clear mobile liquid
Color	Light yellow to dark yellow
Odor	Warm, spicy, sweet and characteristic cinnamon odor

4. PHYSICAL & CHEMICAL CHARACTERISTICS

Parameter	Specification
Relative Density at 20°C	1.042 – 1.063

Values may vary according to raw material and batch.

5. MAIN CONSTITUENTS (TYPICAL RANGE)

Constituent	Typical Range (%)
Cinnamaldehyde	27 – 80
Cinnamyl Acetate	4 – 23
Eugenol	0.5 – 10
Linalool	1.5 – 5
(E)-β-Caryophyllene	1 – 14
1,8-Cineole	0 – 13
p-Cymene	0.3 – 6
Methyl Eugenol Ether	0 – 5
Safrole	0 – 0.1
Other identified compounds	up to 100

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

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

The composition may vary according to raw material and batch. Ranges updated based on IMRA laboratory analytical reports (Lot n°07-110626, 2026) on Madagascar-origin bark; cinnamaldehyde content of this non-standardized, Madagascar-type oil is structurally lower than Ceylon (Sri Lanka) reference oils.

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 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

Note: this oil contains trace levels of safrole and methyl eugenol ether (see Section 5). IFRA compliance for finished fragrance/cosmetic applications is subject to the applicable IFRA restriction limits for these two substances and should be confirmed by the formulator based on the finished product's use category and concentration.