

## TECHNICAL DATA SHEET (TDS)

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|-----------------------|--|
| <b>Product Name</b>   | <b>CINNAMON BARK OIL</b>                     |
| <b>Botanical Name</b> | Cinnamomum verum (syn Cinnamomum zeylanicum) |
| <b>Product Code</b>   | PEO1044                                      |
| <b>CAS #</b>          | 8015-91-6 ; 84649-98-9                       |
| <b>FEMA #</b>         | 2291   |
| <b>EINECS #</b>       | 283-479-0                                    |
| <b>INCI Name</b>      | Cinnamomum Zeylanicum Bark Oil               |

|                            |                               |
|----------------------------|-------------------------------|
| <b>Part Used</b>           | Dried inner bark              |
| <b>Extraction Method</b>   | Steam Distilled Essential Oil |
| <b>Quality</b>             | 100% Pure and Natural         |
| <b>Note Classification</b> | Middle Note                   |

| <u>PROPERTIES</u>              | <u>SPECIFICATIONS</u>  |
|--------------------------------|--|
| <b>Appearance</b>              | Yellow to reddish brown colored liquid                       |
| <b>Odour</b>                   | Strong, very warm, diffusive, spicy-sweet, penetrating aroma |
| <b>Refractive Index</b>        | 1.545 - 1.600 @ 20°C   |
| <b>Specific Gravity (g/mL)</b> | 0.990 - 1.050 @ 20°C   |
| <b>Optical Rotation (°)</b>    | -3° to +2°   |
| <b>Solubility</b>              | Soluble in alcohols and fixed oils; Insoluble in water       |

| <u>MICROBIAL ANALYSIS</u>                 | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> |
|---|-----------------------|------------------|
| <b>Aerobic Mesophilic Bacterial Count</b> | < 100 CFU/g           | ISO 21149        |
| <b>Yeast and Mould</b>                    | < 10 CFU/g            | ISO 16212        |
| <b>Candida albicans</b>                   | ABSENT / 1g           | ISO 18416        |
| <b>Escherichia coli</b>                   | ABSENT / 1g           | ISO 21150        |
| <b>Pseudomonas aeruginosa</b>             | ABSENT / 1g           | ISO 22717        |
| <b>Staphylococcus aureus</b>              | ABSENT / 1g           | ISO 22718        |

| <u>HEAVY METAL TESTS</u>          | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> |
|-----------------------------------|-----------------------|------------------|
| <b>Lead: Pb (mg/kg or ppm)</b>    | < 10 ppm              | na               |
| <b>Arsenic: As (mg/kg or ppm)</b> | < 2 ppm               | na               |
| <b>Mercury: Hg (mg/kg or ppm)</b> | < 1 ppm               | na               |



I.I. Garda Andrea Ilona  
str. George Cosbuc nr.26A, Salonta, jud. Bihor  
tel. 0771-639-612  
contact@naturallhome.ro  
www.naturallhome.ro  
CUI: RO25358250, F05/532/2009

**STABILITY AND STORAGE:**

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Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

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