

### TECHNICAL DATA SHEET (TDS)

|                |  |
|----------------|--|
| Product Name   | PATCHOULI ESSENTIAL OIL                |
| Botanical Name | Pogostemon cablin                      |
| CAS #          | 8014-09-3 ; 84238-39-1                 |
| EINECS #       | 282-493-4                              |
| INCI Name      | Pogostemon Cablin (Patchouli) Leaf Oil |

|                     |                                 |
|---------------------|---------------------------------|
| Part Used           | Leaves                          |
| Extraction Method   | Steam Distilled Essential Oil   |
| Quality             | 100% Pure and Natural           |
| Note Classification | Base Note, Outstanding Fixative |

| <u>PROPERTIES</u>       | <u>SPECIFICATIONS</u>                                   |
|-------------------------|---|
| Appearance              | Brown to reddish brown colored, slightly viscous liquid |
| Odour                   | Rich, warm, earthy, sweet-herbaceous aroma              |
| Refractive Index        | 1.505 - 1.516 @ 20°C                                    |
| Specific Gravity (g/mL) | 0.952 - 0.990 @ 25°C                                    |
| Optical Rotation (°)    | -65° to -40°  |
| Solubility              | Soluble in alcohols and fixed oils; Insoluble in water  |

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

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

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