

## **TECHNICAL DATA SHEET**

|                       |                               |
|-----------------------|-------------------------------|
| <b>Product Name</b>   | <b>GALBANUM ESSENTIAL OIL</b> |
| <b>Botanical Name</b> | Ferula galbaniflua            |
| <b>Product Code</b>   | PEO1076                       |
| <b>CAS #</b>          | 8023-91-4 ; 93165-40-3        |
| <b>EINECS #</b>       | 296-925-4                     |
| <b>INCI Name</b>      | Ferula Galbaniflua Resin Oil  |
| <b>FEMA #</b>         | 2501                          |

|                            |                               |
|----------------------------|-------------------------------|
| <b>Part Used</b>           | Resin (Gum)                   |
| <b>Extraction Method</b>   | Steam Distilled Essential Oil |
| <b>Quality</b>             | 100% Pure and Natural         |
| <b>Note Classification</b> | Top Note, Excellent Fixative  |

| <b><u>PROPERTIES</u></b>       | <b><u>SPECIFICATIONS</u></b>                                               |
|--------------------------------|----------------------------------------------------------------------------|
| <b>Appearance</b>              | Colorless to pale yellow liquid                                            |
| <b>Odour</b>                   | Powerful, green, leafy-earthy aroma with smooth woody, balsamic undertones |
| <b>Refractive Index</b>        | 1.474 - 1.485 @ 20°C                                                       |
| <b>Specific Gravity (g/mL)</b> | 0.867 - 0.890 @ 20°C                                                       |
| <b>Optical Rotation (°)</b>    | +7° to +17°                                                                |
| <b>Solubility</b>              | Soluble in alcohols and fixed oils;<br>Insoluble in water                  |

| <b><u>MICROBIAL ANALYSIS</u></b>          | <b><u>SPECIFICATIONS</u></b> | <b><u>STANDARDS</u></b> |
|-------------------------------------------|------------------------------|-------------------------|
| <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               |

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| <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               |

#### **STABILITY AND STORAGE:**

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.

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