

# Fusis

Organic Essential Oils



## Technical Data Sheet (TDS)

FRANKINCENSE SACRA (SACRED FRANKINCENSE) ESSENTIAL OIL

### Product identification

|                |                                                        |
|----------------|--------------------------------------------------------|
| Product Name   | FRANKINCENSE SACRA (SACRED FRANKINCENSE) ESSENTIAL OIL |
| Botanical Name | <i>Boswellia sacra</i>                                 |
| Product Code   | PEO1075                                                |
| CAS #          | 8016-36-2 ; 89957-98-2                                 |
| FEMA #         | 2816                                                   |
| EINECS #       | 289-620-2                                              |
| INCI Name      | Boswellia Sacra (Frankincense) Oil                     |

### Product details

|                     |                               |
|---------------------|-------------------------------|
| Part Used           | Resin (Gum)                   |
| Extraction Method   | Hydro-Distilled Essential Oil |
| Quality             | 100% Pure and Natural         |
| Note Classification | Base Note, Excellent Fixative |

### Properties

| Properties              | Specifications                                          |
|-------------------------|---------------------------------------------------------|
| Appearance              | Colorless to pale yellow liquid                         |
| Odour                   | Fresh, warm, radiant, resinous, slightly balsamic aroma |
| Refractive Index        | 1.465 - 1.482 @ 20°C                                    |
| Specific Gravity (g/mL) | 0.850 - 0.890 @ 20°C                                    |
| Optical Rotation (°)    | -26° to +34°                                            |
| Solubility              | Soluble in alcohols and fixed oils; Insoluble in water  |

### Microbial analysis

| Microbial Analysis                 | Specifications | Standards |
|------------------------------------|----------------|-----------|
| 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 |

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##### Heavy metal tests

| Heavy Metal Tests          | Specifications | Standards |
|----------------------------|----------------|-----------|
| 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        |

##### 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.

##### Document note

This Fusis Technical Data Sheet summarises supplier technical documentation held on file by Fusis. It is provided for traceability and technical reference only. It is not an independent laboratory report by Fusis. Please refer to all relevant technical and safety information specific to the product before use. Final suitability, formulation safety and regulatory compliance remain the responsibility of the user.

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