

TECHNICAL DATA SHEET (TDS)

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|----------------|---|
| Product Name | ST. JOHN'S WORT OIL |
| Botanical Name | Hypericum perforatum |
| INCI Name | Hypericum Perforatum Flower/Leaf/Stem Extract and Olea Europaea (Olive) Fruit Oil |
| CAS# | 84082-80-4 and 8001-25-0 |
| EINECS# | 282-026-4 and 232-277-0 |

| | |
|-------------------|--|
| Quality | 100% Pure and Natural |
| Standardization | 33.3% dry herb/L of oil (i.e., 333 g herb per 1000 ml of oil) |
| Extraction Method | Infusion of flowering aerial parts of Hypericum perforatum in extra virgin Olea europaea (Olive) Oil |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|-------------------------|---|
| Appearance | Pale yellow to orange golden colored liquid |
| Odour | Characteristic slight aroma with floral tones |
| Refractive Index | 1.460 - 1.485 @ 20°C |
| Specific Gravity (g/mL) | 0.895 - 0.920 @ 20°C |
| Solubility | Soluble in cosmetic esters 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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