

TECHNICAL DATA SHEET (TDS)

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|-----------------------|-------------------------------------|
| Product Name | LIME ESSENTIAL OIL |
| Botanical Name | Citrus aurantifolia |
| Product Code | PEO1092 |
| CAS # | 8008-26-2 ; 90063-52-8 |
| FEMA # | 2631 |
| EINECS # | 290-010-3 |
| INCI Name | Citrus Aurantifolia (Lime) Peel Oil |

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|----------------------------|----------------------------|
| Part Used | Peels |
| Extraction Method | Cold Pressed Essential Oil |
| Quality | 100% Pure and Natural |
| Note Classification | Top Note |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|--------------------------------|--|
| Appearance | Colorless to pale greenish yellow colored liquid |
| Odour | Fresh, zesty, lemony-citrus, slightly sweet aroma |
| Refractive Index | 1.474 - 1.486 @ 20°C |
| Specific Gravity (g/mL) | 0.854 - 0.872 @ 20°C |
| Optical Rotation (°) | +34° to +50° |
| 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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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.

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

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