

### TECHNICAL DATA SHEET (TDS)

Product Name	KAFFIR LIME (MAKRUT LIME) ESSENTIAL OIL
Botanical Name	Citrus hystrix
CAS #	91771-50-5
EINECS #	294-942-1
INCI Name	Citrus Hystrix (Kaffir Lime) Oil

Part Used	Leaves and Fruit Peels
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Top to Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Colorless to pale yellow liquid
Odour	Fresh, citrusy-green, lime-like, slightly sweet aroma
Refractive Index	1.440 - 1.460 @ 20°C
Specific Gravity (g/mL)	0.850 - 0.870 @ 20°C
Optical Rotation (°)	-15° to -5°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

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

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

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