



TECHNICAL DATA SHEET (TDS)

LIME ESSENTIAL OIL

Product Name	LIME ESSENTIAL OIL
Botanical Name	Citrus aurantifolia
Product Code	GEO-N12
CAS #	8008-26-2 ; 90063-52-8
FEMA #	2631
EINECS #	290-010-3
INCI Name	Citrus Aurantifolia (Lime) Leaves Oil
Part Used	Leaves
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Top Note

PROPERTIES

SPECIFICATIONS

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

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

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 36 months, quality should be checked before use.

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