



TECHNICAL DATA SHEET (TDS)

Product Name	LEMONGRASS OIL
Botanical Name	Cymbopogon flexuosus
Product Code	E153
CAS #	8007-02-1 ; 91844-92-7
FEMA #	2624
EINECS #	295-161-9
INCI Name	Cymbopogon Flexuosus (Lemongrass) Leaf Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to orange yellow colored liquid
Odour	Fresh, strong, lemon-like, herbaceous-grassy aroma
Refractive Index	1.474 - 1.494 @ 20°C
Specific Gravity (g/mL)	0.884 - 0.911 @ 20°C
Optical Rotation (°)	-5° to +2°
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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TM
AromaEasy

16273 GALE AVE, CITY OF INDUSTRY, CA, 91745. USA

Tel. +1 240.258.7761 E-mail: sales@aromaeasy.com

Website: www.aromaeasy.com

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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