



## Certificate of Analysis

Product Name:	<b>Lemongrass Essential Oil</b>	Extraction Method:	<b>Steam Distilled Essential Oil</b>
Botanical Name:	<b><i>Cymbopogon flexuosus</i></b>	Quality:	<b>100% Pure and Natural</b>
Used Part:	<b>Leaves</b>	Batch Number:	<b>Varies</b>
CAS No.:	<b>8007-02-1; 91844-92-7</b>	Manufacture Date:	<b>Varies</b>
INCI Name:	<b>Cymbopogon Flexuosus (Lemongrass) Leaf Oil</b>	Best Before:	<b>Varies</b>

IDENTIFICATION		SPECIFICATION	STANDARDS	RESULT
Physical	Appearance	Pale yellow to orange yellow colored liquid	-	Complies
	Odour	Fresh, strong, lemon-like, herbaceous-grassy aroma	-	Complies
	Refractive Index	1.474 - 1.494   20°C	-	1.489
	Specific Gravity (g/mL)	0.884 - 0.911   20°C	-	0.896
	Optical Rotation (°)	-5° to +2°	-	Complies
	Solubility	Soluble in alcohols and fixed oils; Insoluble in water	-	Complies
Chemical	Lead (Pb)	< 10 ppm	-	Complies
	Arsenic (As)	< 2 ppm	-	Complies
	Mercury (Hg)	< 1 ppm	-	Complies
Microbial	Aerobic Mesophilic Bacterial Count	< 100 cfu/g	ISO 21149	Complies
	Yeast & Mould	< 10 cfu/g	ISO 16212	Complies
	Candida albicans	Negative	ISO 18416	Complies
	Escherichia coli	Negative	ISO 21150	Complies
	P. aeruginosa	Negative	ISO 22717	Complies
	S. aureus	Negative	ISO 22718	Complies

Else	Storage Condition	Keep in a tightly closed container in a cool and dry place, protected from sunlight.
	Shelf Life	When stored for more than 24 months, quality should be checked before use.

