

ANALYSIS

Product Name : **LEMONGRASS OIL**
Aceite esencial de Lemongrass

Botanical name : *Cymbopogon citratus*

Batch number : LS109956

Origin : India

Analysis features :

Agilent GC System 7890A - Column : HP INNOWAX polaire : 60 m ´ 0,25 mm ´ 0,5 µm

Temperature program : 8 min to 95 °C – 4 °C/min till 190 °C - 29 min to 190°C

Carrier gas H2 : 30 psis/FID. Injector : split. Sample : 0.1 µl without dilution

The compounds of the essential oils are identified by retention times.

% Are calculated from the peak areas given by the GC / FID without the use of a correction factor.

Physical characteristics:

Density at 20°C	0.893
Refractive index at 20°C	1.485
Optical rotation at a 20°C	-2.3

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
TRICYCLEN	0.15	
a-PINENE	0.25	
CAMPHE	1.36	
b-PINENE	0.00	
b-MYRCENE	0.09	
LIMONENE	0.32	0.5 - 3.5
Cis-b-OCIMENE	0.37	
Trans-b-OCIMENE	0.21	
TERPINOLENE	0.05	
4-NONANONE	1.38	
6-METHYL-5-HEPTEN-2-ONE	1.30	0.1 - 2
3-METHYL HEXYL BUTYRATE	0.12	
a-CUBEBENE	0.03	
CITRONELLAL	0.22	
MENTHOFURANE	0.04	
a-GURGUNENE	0.00	
LINALOOL	1.34	
CAMPHOR	0.02	
ISOMENTHYL ACETATE	0.07	
NEOMENTHOL	0.09	
TERPINENE-4-OL	0.39	
b-CARYOPHYLLENE	1.55	0.2 - 3.2
MENTHOL	0.00	
NERAL	25.88	25 - 35
g-MUUROLENE	0.12	
GERANYL FORMATE	0.00	
GERMACRENE-D	0.21	
GERANIAL	44.89	35 - 47
GERANYL ACETATE	3.83	0.5 - 6
CITRONELLOL	0.11	
d-CADINENE	0.44	
g-CADINENE	1.39	
GERANIOL	7.46	1.5 - 8
NEROLIDOL	0.00	
epi-CUBENOL	0.13	
TOTAL	93.81	