

Lemon Essential Oil Analysis

Product:	Lemon Essential Oil
INCI Name:	Citrus Limon (Lemon) Peel Oil / Citrus Medica
Country of Origin:	Spain
Botanical part:	Peel
Botanical Name:	<i>Citrus limon</i> (L.) Burm. F..
CAS Number:	8008-56-8

Characteristics:

	Requirement	Result
Appearance:	Clear liquid. Some deposits (waxes) may appear.	Conforms
Colour:	Yellow to greenish-yellow	Conforms
Odour:	Fresh, citrus	Conforms
Relative Density (gr/ml) @ 20°C:	0.840 – 0.865	0.851
Refractive Index @ 20°C:	1.465 – 1.485	1.471

GC/MS/FID Analysis (%):

1	Limonene	68.27
2	β -Pinene	11.54
3	γ -Terpinene	8.48
4	Sabinene	1.99
5	α -Pinene	1.92
6	β -Myrcene	1.62
7	Geranial	0.90
8	β -Bisabolene	0.62
9	Neral	0.49
10	α -Thujene	0.41
11	Neryl Acetate	0.41
12	Terpinolene	0.38
13	β -Phellandrene	0.36
14	p-Cymene	0.28
15	Geranyl Acetate	0.26
16	α -Terpinene	0.19
17	β -Caryophyllene	0.18
18	Trans- β -Ocimene	0.11
19	Citronellal	0.11
20	Nonanal	0.09
21	Linalool	0.09
22	Geraniol	0.06
23	Cis- β -Ocimene	0.04
24	Nerol	0.04
25	α -Terpineol	0.02
	Total	98.86

