

**DESCRIPTION:**

Inci Name: Citrus Limon Peel (Lemon Essential Oil)

Cas №: 8008-56-8 / 84929-31-7

**DETAILS**

Lot № 7212

Einecs: - / 284-515-8

Gas Chromatography Analysis (%)

Date: August 2020

## Gas Chromatography Analysis (%)

Name: Lemon Essential Oil

### Analytical Details

### Range

### Result

Appearance @ 20 °C

Yellow to yellow-green mobile oily clear liquid

Conforms

Odour

Typical fresh lemon zest, clean fruity – green notes

Conforms

Specific Gravity @ 20 °C

0.8460 – 0.8570

Conforms

Refractive Index @ 20 °C

1.4720 – 1,4780

Conforms

Optical Rotation

+57 to +72

Conforms

## Analytical Details

## Range

## Result

Flash Point (°C)

45 - 53

N/D

R10

Flammable

## Monoterpene

Limonene (d)

69.02%

$\beta$ -pinene

10.16%

$\gamma$ -terpinene

9.06%

$\alpha$ -pinene

1.75%

Sabinene

1.74%

$\beta$ -myrcene

1.59%

$\alpha$ -thujene

0.46%

## Analytical Details

## Result

Terpinolene	0.39%
$\beta$ -phellandrene	0.37%
$\alpha$ -terpinene	0.20%
(E)- $\beta$ -ocimene	0.15%
P-cymene	0.08%
(Z)- $\beta$ -ocimene	0.07%
Camphene	0.05%
$\alpha$ -phellandrene	0.05%
<b>Aldehyde</b>	
Geranian	1.39%

## Analytical Details

## Result

Neral

0.82%

Nonanal

31.14%

Lavandulyl cetate

0.06%

Citronellal

0.05%

## Sesquiterpene

$\beta$ -bisabolene

0.51%

(E)- $\alpha$ -bergamotene

0.30%

$\beta$ -caryophyllene

0.23%

Bicyclogermacrene

0.06%

(Z)- $\alpha$ -bergamotene

0.02%

## Analytical Details

## Result

**$\alpha$ -caryophyllene**

0.02%

## Ester

**Neryl acetate**

0.33%

**Geranyl acetate**

0.27%

## Monoterpenol

**$\alpha$ -terpineol**

0.19%

**Linalool**

0.11%

**Geraniol**

0.04%

**Terpinen-4-ol**

0.02%

**Citronellol**

0.01%

## Analytical Details

## Result

### Sesquiterpenol

$\alpha$ -bisabolol

0.02%

### Ketone

Camphor

0.01%

Date Produced: August 2020

R00230

