

DESCRIPTION:

Inci Name: Lavandula Angustifolia
(Lavender Essential Oil)

Cas №: 8000-28-0 / 90063-37-9

DETAILS

Lot № D103118E

Einecs №: - / 289-995-2

Gas Chromatography Analysis (%)

Date: November 2020

Gas Chromatography Analysis (%)

Name: Lavender Essential Oil

Analytical Details

Range

Result

Appearance @ 20 °C

Clear to pale yellow, clear liquid

Conforms

Odour

Characteristics odor

Conforms

Specific Gravity @ 20 °C

0.87 – 0.89

Conforms

Refractive Index @ 20 °C

1.4590 – 1,4630

Conforms

Optical Rotation

-5 to -11

Conforms

Analytical Details

Result

Ester

| | |
|----------------------|--------|
| Lynalil acetate | 31.14% |
| Lavandulyl cetate | 4.82% |
| 1-octen-3-yl acetate | 1.85% |
| Hexyl acetate | 1.07% |
| Geranyl acetate | 0.65% |
| Neryl acetate | 0.39% |
| Butyl butyrate | 0.25% |
| 3-octyl acetate | 0.16% |
| Hexyl hexanoate | 0.13% |

Analytical Details

Result

Bornyl acetate

0.22%

Hexyl isobutyrate

0.12%

Bornyl formate

0.06%

Hexyl-2methylbutyrate

0.05%

Monoterpenol

Linalool

31.02%

Terpinen-4-ol

4.68%

Lavandulol

1.35%

α -terpineol

1.11%

Borneol

0.80%

Analytical Details

Result

Monoterpenol

| | |
|-----------------|-------|
| Nerol | 0.12% |
| τ -cadinol | 0.08% |
| p-cymen-8-ol | 0.08% |
| Hotrienol | 0.07% |

Monoterpene

| | |
|-----------------------|-------|
| (Z)- β -ocimene | 6.19% |
| (E)- β -ocimene | 4.08% |
| Alloocimene | 1.13% |
| β -myrcene | 1.08% |

Analytical Details

Result

| | |
|------------------------|-------|
| Limoneone (d) | 1.08% |
| α -pinene | 0.34% |
| γ -terpinene | 0.23% |
| p-cymene | 0.22% |
| Camphene | 0.20% |
| α -thujene | 0.17% |
| δ -3-carene | 0.15% |
| Terpinolene | 0.10% |
| α -phellandrene | 0.07% |
| o-cymene | 0.07% |

Analytical Details

Result

α -terpinene

0.06%

Sabinene

0.05%

β -pinene

0.05%

Sesquiterpene

(E)- β -farnesene

3.26%

Caryophyllene

3.06%

Germacrene D

0.59%

(E)- α -bergamotene

0.19%

γ -cadinene

0.12%

Sesquisabinene

0.08%

Analytical Details

Result

(Z)- α -bergamotene

0.07

β -bourbonene

0.05%

β -bisabolene

0.05%

Ketone

3-octanone

1.07%

Camphor

0.28%

Cryptone

0.19%

Oxide

1,8-cineole

1.11%

linalool (Z)-oxide

0.19%

Date Produced: November 2020

R00001

