

DESCRIPTION:

Inci Name: Mentha Piperita (Mentha Essential Oil)

Cas №: 84082-70-2

DETAILS

Lot № D113219E

Einecs: 282-015-4

Gas Chromatography Analysis (%)

Date: September 2020

Gas Chromatography Analysis (%)

Name: Mentha Essential Oil

Analytical Details

Range

Result

Appearance @ 20 °C

Colourless to pale yellow,
mobile liquid

Conforms

Odour

Characteristic

Conforms

Specific Gravity @ 20 °C

0.88 – 0.91

Conforms

Refractive Index @ 20 °C

1.45 – 1,47

Conforms

Optical Rotation

-32 to -18

Conforms

Analytical Details

Result

Monoterpenol

Menthol	46.20%
Neomenthol	3.21%
(E)-thujanol	1.14%
Terpinen-4-ol	0.94%
Neoisomenthol	0.63%
Isomenthol	0.33%
Linalool	0.30%
α -terpineol	0.24%
δ -terpineol	0.19%
Isopulegol	0.13%

Analytical Details

Result

(Z)-thujanol

0.10%

1-octanol

0.10%

3-hexen-1-ol

0.05%

Ketone

Menthone

22.82%

Pulegone

4.17%

Isomenthone

2.83%

Piperitone

0.26%

(Z)-isopulegone

0.13%

(E)-isopulegone

0.05%

Analytical Details

Result

Ether

Menhtofuran

6.15%

Sesquiterpene

Germacrene D

2.70%

β -caryophyllene

1.48%

Farnesene isomer

0.43%

Sesquiterpene

0.41%

Bicyclogermacrene

0.37%

β -bourbonene

0.27%

α -caryophyllene

0.07%

Analytical Details

Result

α -copaene

0.06%

δ -cadinene

0.06%

Monoterpene

Limonene (d)

1.77%

β -pinene

1.12%

α -pinene

0.69%

Sabinene

0.56%

γ -terpinene

0.40%

(Z)- β -ocimene

0.35%

β -myrcene

0.24%

Analytical Details

Result

α -terpinene

0.24%

Terpinolene

0.14%

(E)- β -ocimene

0.11%

α -thujene

0.11%%

p-cymene

0.09%

Oxide

1,8-cineole

5.38%

Ester

Menthyl acetate

4.14%

Neomenthyl acetate

0.17%

Analytical Details

Result

(Z)-3-hexenyl isovalerate

0.13%

Sesquiterpenol

Viridiflorol

0.35%

3-octanol

0.22%

1-octen-3-ol

0.09%

Phenol

Thymol

0.07%

Date Produced: September 2020

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