

Certificate of Analysis

Analysed essential oil : **Eucalyptus Radiata**

Analysis date : February, 15th 2017

Batch : 030VA709

Shelf life : August 2019

❖ General description

Essential oil	Eucalyptus Radiata	Origin	South Africa
Latin name	<i>Eucalyptus radiata</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Colorless
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.913	0.910	<	d	<	0.930
Refractive index	1.4620	1.4600	<	IR	<	1.4670
Optical rotation	+1,05°	+1°	<	$[\alpha]^{20}_D$	<	+5°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite - Wax, 30 m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : polar column

Date : 2017-02-15

Software Version : 6.3.2.0646
Sample Name : Eucalyptus radiata 030VA709
Instrument Name : CLARUS 500
Rack/Vial : 0/5
Sample Amount : 1.000000
Cycle : 5

Date : 2/15/2017 2:22:40 PM
Data Acquisition Time : 2/14/2017 12:01:20 AM
Channel : B
Operator : Charlene
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2017\170213.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <alpha>+thujene<alpha>	3.10	2.45
2	pinene <beta>	4.49	0.66
3	sabinene	4.79	1.29
4	myrcene+phellandrene <alpha>	5.80	2.14
5	terpinene <alpha>	6.18	0.35
6	limonene	6.71	5.95
7	cineole <1.8>	7.00	71.21
8	terpinene <gamma>	8.06	0.65
9	ocimene <(E)-beta>	8.37	0.30
10	cymene <p>	8.78	0.50
11	terpinolene	9.21	0.25
12		16.19	0.03
13	linalool	19.02	0.43
14		19.17	0.11
15	caryophyllene <(E)>	20.12	0.08
16	terpinen-4-ol	20.51	1.55
17		21.55	0.09
18		21.69	0.05
19		22.78	0.04
20		23.07	0.16
21	neral	23.18	0.46
22		23.66	0.09
23	borneol+terpineol<alpha>+terpi	24.00	9.11
24	piperitone	24.36	0.91
25	geranial+bicyclogermacrene	25.00	0.67
26		26.73	0.07
27		27.73	0.07
28	geraniol	29.38	0.32
29		35.83	0.04
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : Eucalyptus radiata 030VA709 Sample #: 030VA709 Page 1 of 1
FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Eucalyptus\Eucalyptus Radiata\2017\eucalyptus radiata 170213.raw
Date : 2/15/2017 2:22:41 PM
Method : eucalyptus radiata.mth Time of Injection: 2/14/2017 12:01:20 AM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.13 mV High Point : 993.88 mV
Plot Offset: -47.13 mV Plot Scale: 1041.0 mV

