

Certificate of Analysis

Analysed essential oil : **Cypress (Provence)**

Analysis date : May, 22th 2017

Batch : 139RA701

Shelf life : June 2019

❖ General description

Essential oil	Cypress	Origin	France
Latin name	<i>Cupressus sempervirens</i> L.		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0,872	0.863	<	d	<	0.885
Refractive index	1,4710	1.4680	<	IR	<	1.4780
Optical rotation	+25,80°	+15°	<	$[\alpha]^{20}_d$	<	+30°

❖ 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 : 2017-05-22

Software Version : 6.3.2.0646
Sample Name : HE Cypres Povence 139RA701
Instrument Name : CLARUS 500
Rack/Vial : 0/1
Sample Amount : 1.000000
Cycle : 1

Date : 5/22/2017 10:31:22 AM
Data Acquisition Time : 5/19/2017 12:49:18 PM
Channel : B
Operator : Clemence
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2017\170519.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	tricyclene	2.89	0.21
2	pinene <alpha> + thujene <alph	3.13	60.38
3	fenchene <alpha>	3.59	0.59
4	camphene	3.71	0.24
5	pinene <beta>	4.45	1.16
6	sabinene	4.75	0.69
7	carene <delta-3>	5.41	15.73
8	phellandrene <alpha> + myrcene	5.84	2.10
9		6.01	0.06
10	terpinene <alpha>	6.13	0.20
11	limonene	6.63	2.43
12	phellandrene <beta>	6.84	0.28
13		7.90	0.04
14	terpinene <gamma>	8.00	0.35
15	ocimene <(E)-beta>	8.31	0.04
16	cymene <p>	8.71	0.42
17		8.99	0.11
18	terpinolene	9.16	1.99
19		14.41	0.09
20	cubebene <alpha>	15.38	0.33
21		15.94	0.03
22		16.16	0.03
23	copaene <alpha>	16.46	0.10
24		16.77	0.06
25		17.17	0.14
26		18.22	0.03
27	cedrene <alpha>	18.94	0.45
28	linalool	19.06	0.32
29		19.35	0.04
30	bornyl acetate	19.62	0.17
31	cedrene <beta>+copaene<beta>	19.92	0.25
32	caryophyllene <(E)>	20.08	0.51
33	terpinen-4-ol	20.45	0.66
34	carvacrol methyl ether	20.60	0.37
35		20.86	0.05
36		21.76	0.08
37		22.21	0.04
38	humulene <alpha>	22.60	0.53
39	muurola-4(14),5-diene <cis>	22.73	0.21
40		23.15	0.05
41		23.33	0.30
42	muurolene <gamma>	23.51	0.62
43	borneol+terpineol<alpha>+terpi	23.83	2.02
44	germacrene D	24.03	1.11
45		24.37	0.34
46		24.65	0.07
47	muurolene <alpha>	24.80	0.33
48	cadinene <gamma>	25.85	0.31
49	cadinene <delta>	25.95	0.90
50		26.63	0.06
51		26.99	0.09
52		28.20	0.06
53		28.31	0.09
54		29.05	0.13
55		30.40	0.03
56		30.90	0.05
57		32.65	0.05

5/22/2017 10:31:22 AM Result:

pic #	Nom composant	TR [min]	Aire [%]
58		34.39	0.04
59		35.02	0.04
60		35.59	0.04
61		35.96	0.07
62		36.61	0.05
63	cedrol	36.92	1.07
64		37.38	0.05
65		38.90	0.03
66		39.37	0.03
67		40.59	0.11
68		42.39	0.16
69		43.28	0.02
70		43.97	0.03
71		47.35	0.08
72		54.12	0.03
73		57.88	0.03
74		61.43	0.03
			100.00

Warning -- Signal level out-of-range in peak

Laboratoire Rosier Davenne

Chromatogram

Sample Name : HE Cypres Povence 139RA701 Sample #: 139RA701 Page 1 of 1
FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Cyprès\Provence\2017\cyprès 170519.raw
Date : 5/22/2017 10:31:23 AM
Method : cyprès provence.mth Time of Injection: 5/19/2017 12:49:18 PM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.12 mV High Point : 993.88 mV
Plot Offset: -47.12 mV Plot Scale: 1041.0 mV

