

Certificate of Analysis

Analysed essential oil : Rosemary (camphor)

Analysis date : January, 09th 2018

Batch : 008LA802

Shelf life : July 2020

❖ General description

Essential oil	Rosemary (camphor)	Origin	Spain
Latin name	<i>Rosmarinus officinalis camphoriferum</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pale yellow almost colourless
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0,907	0.892	<	d	<	0.910
Refractive index	1.4692	1.4640	<	IR	<	1.4720
Optical rotation	-0.35°	-5°	<	$[\alpha]^{20}_d$	<	+8°

❖ 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 : 2018-01-09

Software Version : 6.3.2.0646
Sample Name : HE Romarin Camphre 008LA802
Instrument Name : CLARUS 500
Rack/Vial : 0/1
Sample Amount : 1.000000
Cycle : 1

Date : 1/10/2018 11:18:19 AM
Data Acquisition Time : 1/9/2018 12:27:08 PM
Channel : B
Operator : Charlene
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2018\180108.seq

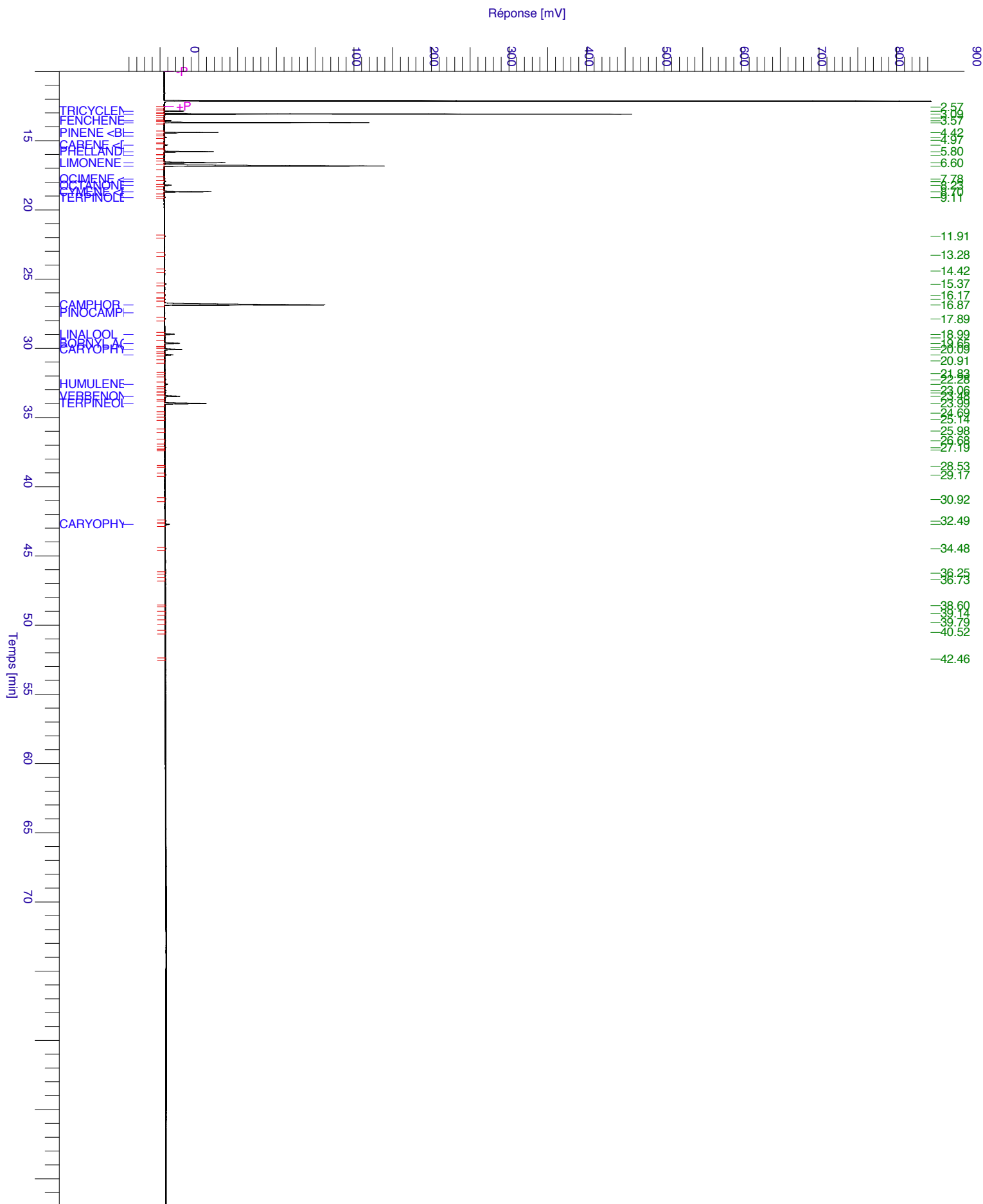
Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1		2.57	0.04
2	tricyclene	2.88	0.83
3	pinene <alpha>	3.09	23.56
4		3.37	0.03
5	fenchene<alpha>	3.57	0.31
6	camphene	3.71	9.84
7	pinene <beta>	4.42	2.71
8	sabinene	4.78	0.14
9		4.97	0.06
10	carene <delta-3>	5.32	0.20
11	phellandrene<alpha>+myrcene	5.80	2.81
12	terpinene <alpha>	6.08	0.03
13	limonene	6.60	4.68
14	cineole <1.8>	6.84	19.85
15	ocimene <(Z)-beta>	7.78	0.05
16	terpinene <gamma>	7.96	0.09
17	octanone <3>	8.23	0.43
18	cymene <p>	8.70	3.10
19	terpinolene	9.11	0.08
20		11.91	0.08
21		13.28	0.05
22		14.42	0.06
23		15.37	0.14
24		16.17	0.08
25		16.48	0.05
26	camphor	16.87	18.34
27	pinocamphone <cis>	17.89	0.08
28	linalool	18.99	0.81
29		19.25	0.09
30	bornyl acetate	19.65	1.33
31		19.94	0.05
32	caryophyllene <(E)>	20.09	1.60
33	terpinen-4-ol	20.49	0.69
34		20.91	0.03
35		21.83	0.02
36		22.28	0.10
37	humulene <alpha>	22.61	0.27
38		23.06	0.10
39		23.22	0.08
40	verbenone	23.48	1.41
41	terpineol <alpha> + borneol	23.99	4.35
42		24.69	0.03
43		25.14	0.07
44		25.98	0.05
45		26.68	0.07
46		27.19	0.07
47		27.35	0.03
48		28.53	0.02
49		29.17	0.09
50		30.92	0.06
51		32.49	0.10
52	caryophyllene oxide	32.73	0.42
53		34.48	0.08
54		36.25	0.03
55		36.73	0.03
56		38.60	0.04

Chromatogram

Sample Name : HE Romarin Camphre 008LA802 Sample #: 008LA802 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Romarin\Camphré\2018\romarin camphré 180108-20180109-122716.raw
 Date : 1/10/2018 11:18:20 AM
 Method : romarin camphré.mth Time of Injection: 1/9/2018 12:27:08 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



1/10/2018 11:18:19 AM Result:

pic #	Nom composant	TR [min]	Aire [%]
57		39.14	0.05
58		39.79	0.04
59		40.52	0.05
60		42.46	0.03
			100.00

Laboratoire Rosier Davenne
