

Certificate of Analysis

Analysed essential oil : **Eucalyptus Citriodora**

Analysis date : June, 04th 2018

Batch : 151BV810

Shelf life : July 2020

❖ General description

Essential oil	Eucalyptus Citriodora	Origin	Brasil
Latin name	<i>Eucalyptus citriodora</i> Hook		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Colorless
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0,868	0.860	<	d	<	0.870
Refractive index	1,4500	1.4500	<	IR	<	1.4585
Optical rotation	+1,40°	-1°	<	$[\alpha]^{20}_d$	<	+3°

❖ 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 : 04-09-2018

Software Version : 6.3.2.0646
Sample Name : HE Eucalyptus citronne 151BV810
Instrument Name : CLARUS 500
Rack/Vial : 0/15
Sample Amount : 1.000000
Cycle : 15

Date : 6/4/2018 2:29:14 PM
Data Acquisition Time : 6/2/2018 10:59:57 AM
Channel : B
Operator : stagiaire
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2018\180601.seq

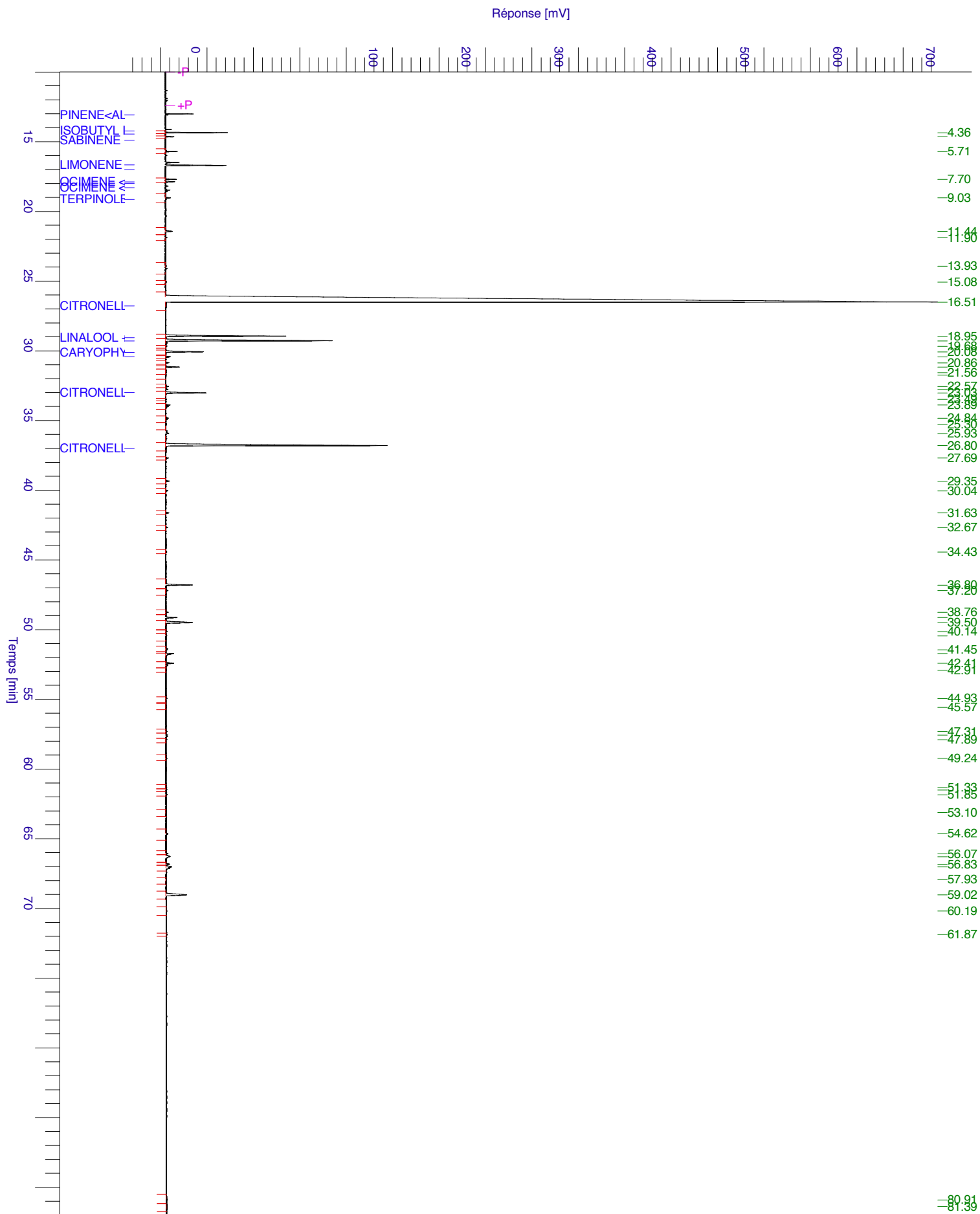
Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <beta>+isobutyl isobuty	4.36	0.78
2		4.65	0.11
3		5.71	0.19
4	ocimene <(Z)-beta>	7.70	0.35
5	terpinolene	9.03	0.12
6		11.44	0.19
7		11.90	0.04
8		13.93	0.06
9		15.08	0.02
10	citronellal	16.51	74.11
11	linalool + isopulegol<iso>	18.95	2.91
12	isopulegol <neo>	19.29	4.82
13		19.68	0.03
14	caryophyllene <(E)>	20.08	0.92
15	terpinen-4-ol	20.44	0.12
16		20.86	0.07
17		21.17	0.31
18		21.56	0.03
19		21.74	0.02
20		22.57	0.06
21		22.77	0.06
22	citronellyl acetate	23.03	0.95
23		23.49	0.01
24		23.89	0.17
25		24.84	0.13
26		25.30	0.03
27		25.93	0.18
28	citronellol	26.80	7.77
29		27.69	0.06
30		29.35	0.08
31		30.04	0.05
32		31.63	0.08
33		32.67	0.04
34		34.43	0.02
35		36.80	0.68
36		37.20	0.08
37		38.76	0.05
38		39.14	0.27
39		39.50	1.02
40		40.14	0.03
41		40.45	0.05
42		41.45	0.09
43		41.72	0.29
44		42.41	0.30
45		42.91	0.02
46		44.93	0.03
47		45.57	0.02
48		47.31	0.03
49		47.56	0.09
50		47.89	0.02
51		49.24	0.04
52		51.33	0.01
53		51.50	0.02
54		51.85	0.04
55		53.10	0.02
56		54.62	0.08
57		56.07	0.05

Chromatogram

Sample Name : HE Eucalyptus citronne 151BV810 Sample #: 151BV810 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Eucalyptus\Eucalyptus Citronne\2018\eucalyptus citronne 180601.raw
 Date : 6/4/2018 2:29:14 PM
 Method : eucalyptus citronne pur.mth Time of Injection: 6/2/2018 10:59:57 AM
 Start Time : 0.00 min End Time : 82.00 min Low Point : -38.90 mV High Point : 837.04 mV
 Plot Offset: -38.90 mV Plot Scale: 875.9 mV



6/4/2018 2:29:14 PM Result:

pic #	Nom composant	TR [min]	Aire [%]
58		56.29	0.22
59		56.83	0.09
60		57.01	0.34
61		57.93	0.02
62		59.02	0.96
63		60.19	0.03
64		61.87	0.02
65		80.91	0.03
66		81.39	0.06
			<hr/>
			100.00

Laboratoire Rosier Davenne
