

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Eucalyptus citriodora EO / 0 / 08-02-19

Modification(s) : none

Published : 11/12/2019

p1/1

Eucalyptus citriodora EO

Laboratoire Rosier Davenne code : **01E/EUCCIT**

Date of analysis : 11/07/2019

Batch number : **191BV906**

Retest date (shelf life): **08/2021**

❖ General description

Essential oil	Eucalyptus citriodora EO	Origin	Brazil
Latin name	<i>Eucalyptus citriodora</i>		

❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Colorless	Conform
Odor	Characteristic	Conform

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,860 - 0,870	0.869	Conform
Refractive index (20°C)	1,4500 - 1,4585	1.4543	Conform
Optical rotation (20°C)	-1° à +3°	1.00	Conform
Peroxide index	Not applicable	Not applicable	Not applicable

❖ Chromatography analyse

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 chromatography attached (polar column)

❖ Conclusion

Batch accepted.

Software Version : 6.3.2.0646
Sample Name : HE Eucalyptus Citronne 191BV906
Instrument Name : CLARUS 500
Rack/Vial : 0/35
Sample Amount : 1.000000
Cycle : 9

Date : 7/17/2019 12:33:02 PM
Data Acquisition Time : 7/12/2019 3:57:35 AM
Channel : B
Operator : Christophe
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2019\190711.seq

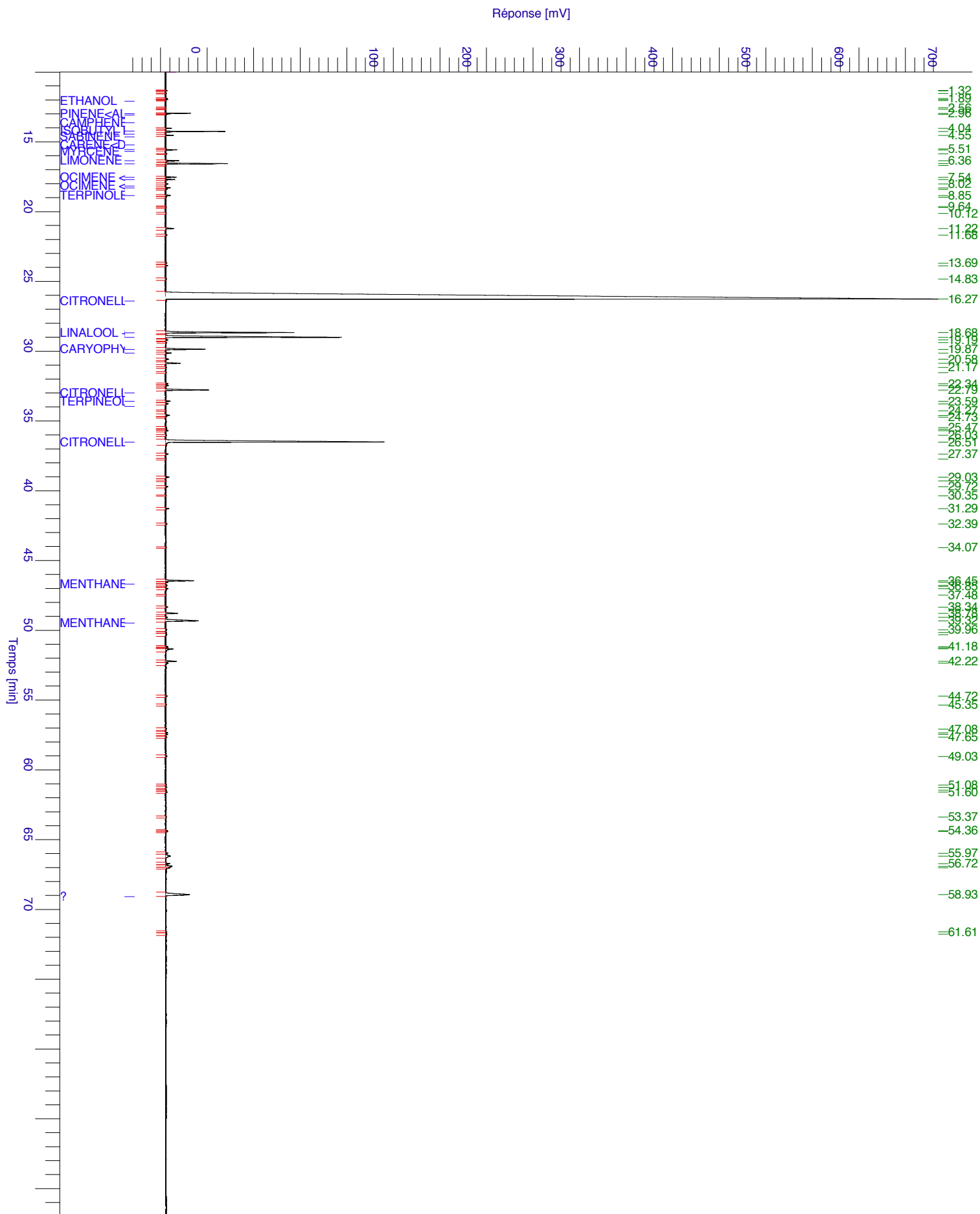
Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		1.32	0.01
2		1.35	0.01
3		1.54	0.01
4		1.89	0.03
5		1.98	0.02
6	ethanol	2.04	0.01
7		2.56	0.01
8		2.66	0.00
9	pinene<alpha>	2.96	0.28
10	thujene<alpha>	3.03	0.03
11		4.04	0.07
12	isobutyl isobutyrate	4.27	0.77
13	pinene <beta>	4.55	0.11
14		5.51	0.01
15	phellandrene<alpha>	5.59	0.17
16		5.87	0.01
17	limonene	6.36	0.22
18	cineole<1.8>+phellandrene<beta>	6.57	1.01
19		6.70	0.01
20	ocimene <(Z)-beta>	7.54	0.18
21	terpinene <gamma>	7.71	0.16
22	ocimene <(E)-beta>	8.02	0.05
23	cymene<p>	8.30	0.08
24		8.40	0.03
25	terpinolene	8.85	0.09
26		8.97	0.02
27		9.64	0.01
28		9.70	0.01
29		10.12	0.01
30		11.22	0.16
31		11.68	0.03
32		13.69	0.02
33		13.88	0.04
34		14.83	0.02
35	citronellal	16.27	72.56
36	linalool + isopulegol<iso>+iso	18.68	2.94
37	isopulegol <neo>	19.01	4.82
38		19.19	0.04
39		19.38	0.01
40	caryophyllene <(E)>	19.87	0.91
41	terpinen-4-ol	20.14	0.11
42		20.58	0.06
43		20.87	0.30
44		21.17	0.01
45		21.53	0.01
46		22.34	0.05
47		22.47	0.05
48	citronellyl acetate	22.79	0.93
49	terpineol<alpha>	23.59	0.09
50	germacrene D	23.78	0.06
51		24.27	0.01
52		24.61	0.11
53		24.73	0.01
54		25.47	0.03
55		25.60	0.03
56		25.70	0.06
57		26.03	0.02

Chromatogram

Sample Name : HE Eucalyptus Citronne 191BV906 Sample #: 35 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\2019\190711_HE Eucalyptus Citronne 191BV906_009.raw
 Date : 7/17/2019 12:33:03 PM
 Method : eucalyptus citronne pur.mth Time of Injection: 7/12/2019 3:57:35 AM
 Start Time : 0.00 min End Time : 82.00 min Low Point : -38.78 mV High Point : 835.17 mV
 Plot Offset: -38.78 mV Plot Scale: 873.9 mV



7/17/2019 12:33:02 PM Result:

Pic #	Component Name	TR [min]	Area [%]
58	citronellol	26.51	7.48
59		27.37	0.05
60		27.73	0.01
61		29.03	0.07
62		29.30	0.01
63		29.72	0.05
64		30.35	0.00
65		31.29	0.07
66		32.39	0.04
67		34.07	0.01
68		36.45	0.61
69		36.56	0.05
70	menthane-3.8-diol<trans-p>	36.77	0.03
71		36.85	0.02
72		37.02	0.05
73		37.48	0.01
74		38.34	0.05
75		38.78	0.24
76		39.07	0.05
77	menthane-3.8-diol<cis-p>	39.32	1.16
78		39.96	0.04
79		40.16	0.02
80		40.32	0.05
81		41.18	0.05
82		41.25	0.05
83		41.33	0.22
84		42.22	0.26
85		42.36	0.09
86		44.72	0.03
87		45.35	0.02
88		47.08	0.03
89		47.35	0.05
90		47.46	0.05
91		47.65	0.02
92		49.03	0.03
93		51.08	0.01
94		51.25	0.03
95		51.47	0.02
96		51.60	0.03
97		53.37	0.01
98		54.36	0.04
99		54.42	0.04
100		55.97	0.05
101		56.19	0.24
102		56.72	0.10
103		56.91	0.24
104		57.02	0.13
105 ?		58.93	1.06
106		61.61	0.01
107		61.76	0.02
			100.00