

Certificate of Analysis

Analysed essential oil : Lavander (fine)

Analysis date : June, 02th 2017

Batch : 152RA701

Shelf life : December 2019

❖ General description

Essential oil	Lavander (fine)	Origin	France
Latin name	Lavandula angustifolia P.Miller		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.884	0.880	<	d	<	0.890
Refractive index	1.4602	1.4580	<	IR	<	1.4640
Optical rotation	-7,30°	-11.5°	<	$[\alpha]^{20}_d$	<	-7°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite – WAX m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : polar column

Date : 2017-06-02

Software Version : 6.3.2.0646
Sample Name : HE Lavande Fine 152RA701
Instrument Name : CLARUS 500
Rack/Vial : 0/4
Sample Amount : 1.000000
Cycle : 4

Date : 6/2/2017 11:21:26 AM
Data Acquisition Time : 6/1/2017 9:47:29 PM
Channel : B
Operator : Clemence
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2017\170601.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene<alpha>	3.09	0.10
2	thujene<alpha>	3.17	0.03
3		3.28	0.04
4	camphene	3.73	0.18
5	pinene<beta>	4.47	0.07
6	carene<delta-3>	5.39	0.10
7	myrcene	5.86	0.79
8	limonene	6.65	0.46
9	cineole<1.8>+phellandrene<beta>	6.85	1.45
10		7.34	0.03
11	ociemene<Z-beta>	7.87	3.11
12	terpinene<gamma>	8.03	0.07
13	ocimene<E-beta>+octanone<3>	8.37	6.21
14	cymene<p>	8.75	0.34
15	hexyl acetate	9.01	0.11
16	terpinolene	9.18	0.12
17		11.28	0.07
18		11.48	0.03
19		11.72	0.22
20		12.37	0.04
21	octenyl acetate<3>	12.80	1.02
22		13.22	0.04
23		13.32	0.17
24	hexyl butanoate	14.10	0.20
25	linalool oxyde <cis>	14.73	0.27
26		15.38	0.66
27	linalool oxide trans	15.76	0.29
28		16.44	0.07
29	camphor	16.80	0.58
30		18.45	0.06
31	linalool	19.07	32.76
32	linalool acetate	19.39	29.90
33	santalene<alpha>	19.66	0.61
34	caryophyllene<E>	20.20	3.63
35	terpinen-4-ol	20.49	1.86
36	lavandulyl acetate	21.13	2.94
37		21.28	0.08
38		22.20	0.25
39		22.42	0.03
40	humulene<alpha>	22.62	0.12
41		22.80	0.07
42		23.17	0.03
43	farnesene<E-beta>	23.32	1.41
44	lavandulol	23.50	2.66
45	borneol+terpineole<alpha>+germ	23.93	2.81
46		24.04	0.20
47		24.65	0.07
48	neryl acetate	25.23	0.52
49	cadinene<gamma>	25.87	0.09
50	geranyl acetate	26.31	0.95
51		27.68	0.31
52		28.53	0.04
53		28.97	0.20
54	geraniol	29.33	0.66
55		32.42	0.06
56	caryophyllene oxide	32.66	0.38
57		33.09	0.07

6/2/2017 11:21:26 AM Result:

pic #	Nom composant	TR [min]	Aire [%]
58		34.11	0.07
59		34.29	0.06
60		38.92	0.06
61		45.36	0.13
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : HE Lavande Fine 152RA701 Sample #: 152RA701 Page 1 of 1
File Name : C:\Data\Colonne Polaire\Huiles Essentielles\Lavande\Lavande Fine\2017\lavande fine 170601.raw
Date : 6/2/2017 11:26:26 AM
Method : lavande fine.mth Time of Injection: 6/1/2017 9:47:29 PM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.20 mV High Point : 993.88 mV
Plot Offset: -47.20 mV Plot Scale: 1041.1 mV

