

Certificate of Analysis

Analysed essential oil : Lavander super

Analysis date : September, 25th 2015

Batch : 265RA502

Shelf life : October 2017

❖ General description

Essential oil	Lavander super	Origin	France
Latin name	<i>Lavandula hybrida</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Almost colourless
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.886	0.886	<	d	<	0.896
Refractive index	1.4562	1.4560	<	RI	<	1.4610
Optical rotation	-6.30°	-9°	<	$[\alpha]^{20}_d$	<	-5°

❖ Volatile elucidation

GC : Perkin Elmer – Clarus 500

Column : Elite - 1, 30 m, Ø 0.25 mm, 0.25 µm df

Injection : split

Detector : FID

Carrier gas : H₂

⇒ See Chromatogram : non-polar column

Date : 2015-09-25

Software Version : 6.2.0.0.0:B27
 Sample Name : LavandinSuper
 Instrument Name : CLARUS 500
 Rack/Vial : 0/3
 Sample Amount : 1.000000
 Cycle : 3

Date : 25/09/2015 10:49:55
 Data Acquisition Time : 22/09/2015 19:19:09
 Channel : A
 Operator : Davenne
 Dilution Factor : 1.000000

Result File :
 Sequence File : C:\Sequences\CPG\2015\150922B.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		7.23	0.20
2	pinene <alpha>	9.89	0.11
3	camphene	10.38	0.15
4	pinene <beta> + octanone <3>	11.40	0.81
5	myrcene	12.08	0.92
6	hexyl acetate	12.68	0.42
7	cymene <p>	13.28	0.05
8	limonene + cineole <1.8>	13.61	3.63
9	ocimene <(Z)-beta>	14.04	1.16
10	ocimene <(E)-beta>	14.52	1.91
11	linalool oxide <cis>	15.33	0.17
12	linalool oxide <trans>	16.00	0.08
13	terpinolene	16.29	0.21
14	linalool	16.67	36.87
15	octenyl acetate <3>	17.14	0.30
16		17.78	0.10
17	camphor	18.04	3.61
18		18.87	0.13
19	borneol	19.39	3.76
20		19.56	0.34
21	lavandulol	19.72	0.22
22	terpinen-4-ol	19.97	0.29
23	terpineol <alpha>	20.47	1.20
24	hexyl butanoate	20.76	0.76
25		22.17	0.09
26	nerol	22.28	0.22
27		22.86	0.14
28		23.04	0.10
29	geraniol	23.47	0.50
30	linalool acetate	23.70	34.74
31		24.80	0.06
32	lavandulyl acetate	25.07	1.60
33		26.73	0.23
34	neryl acetate	28.09	0.42
35	geranyl acetate	28.85	0.77
36		29.20	0.06
37		29.38	0.05
38		29.76	0.12
39		30.43	0.07
40	caryophyllene <(E)>	30.88	1.33
41		31.63	0.06
42		32.19	0.04
43	farnesene <(E)-beta> + humulen	32.34	0.82
44		32.84	0.06
45	germacrene D	33.23	0.40
46	lavandulyl 2-methyl butanoate	34.26	0.27
47	cadinene <delta>	34.46	0.11
48		34.89	0.04
49	caryophyllene oxide	36.78	0.08
50		38.98	0.05
51	bisabolol <alpha>	40.55	0.17
			100.00

Chromatogram

Sample Name : LavandinSuper Sample #: 265RA502 Page 1 of 1
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Lavandin\Lavandin Super\2015\lavandin super 150922.raw
Date : 25/09/2015 10:49:57
Method : lavandin super.mth Time of Injection: 22/09/2015 19:19:09
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.22 mV High Point : 993.88 mV
Plot Offset: -47.22 mV Plot Scale: 1041.1 mV

