

Certificate of Analysis

Analysed essential oil : Pichi

Analysis date : September, 11rd 2014

Batch : 253HI402

Shelf life : October 2017

❖ General description

Essential oil	Pichi	Origin	Argentina
Latin name	<i>Fabiana imbricata</i>		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Very pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)
Specific gravity	0.879
Refractive index	1.4691
Optical rotation	+12.60°

❖ 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 : 2014-09-11

Software Version : 6.2.0.0.0:B27
Sample Name : Pichi
Instrument Name : CLARUS 500
Rack/Vial : 0/7
Sample Amount : 1.000000
Cycle : 7

Date : 11/09/2014 10:00:30
Data Acquisition Time : 11/09/2014 04:27:32
Channel : A
Operator : Davenne
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2014\140910.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		8.86	0.20
2		9.48	0.04
3	tricyclene	9.71	47.81
4	pinene <alpha>	10.12	10.95
5	camphene	10.61	13.23
6	sabinene	11.54	0.59
7	pinene <beta>	11.69	0.23
8	myrcene	12.31	0.65
9	phellandrene <alpha>	12.83	0.12
10	terpinene <alpha>	13.37	0.97
11	cymene <p>	13.50	1.71
12	limonene + phellandrene <beta>	13.91	1.99
13	ocimene <(Z)-beta>	14.31	0.06
14	terpinene <gamma>	15.18	1.85
15	terpinolene	16.50	0.52
16		16.81	0.06
17		17.70	0.06
18		18.72	0.11
19		18.93	0.06
20		19.21	0.03
21	borneol	19.61	0.20
22	terpinen-4-ol	20.18	0.87
23	terpineol <alpha>	20.69	0.05
24		22.91	0.09
25		24.75	0.07
26	bornyl acetate	24.98	0.66
27		25.93	0.04
28		26.59	0.06
29		26.81	0.17
30		27.93	0.05
31		28.34	0.10
32		28.95	0.05
33	copaene <alpha>	29.42	1.23
34		29.97	0.15
35		30.33	0.76
36		30.62	0.55
37		30.81	0.07
38		30.95	0.07
39	caryophyllene <(E)>	31.09	0.12
40		31.47	0.19
41		31.90	0.12
42	humulene <alpha>	32.50	0.37
43		32.68	0.10
44		32.84	0.15
45	curcumene <ar> + ?	33.34	1.24
46		33.63	0.25
47		34.02	0.21
48	muurolene <alpha>	34.21	0.47
49	cadinene <gamma>	34.65	1.04
50		34.82	0.12
51	cadinene <delta>	35.06	2.52
52	calacorene <alpha>	35.51	1.31
53		35.83	0.09
54		36.05	0.12
55	calacorene <beta>	36.23	0.21
56		36.65	0.11
57		37.39	0.14
58		37.86	0.15

11/09/2014 10:00:30 Result:

Pic #	Component Name	TR [min]	Area [%]
59		38.34	0.08
60		38.74	0.26
61		39.17	0.15
62		39.30	0.11
63		39.72	0.07
64	cadalene	40.22	0.68
65	bisabolol <alpha>	40.72	1.57
66		42.07	0.03
67		44.21	0.07
68		47.62	0.08
69		48.23	0.07
70		48.81	0.07
71		49.33	0.11
72		51.95	0.05
73		52.55	0.04
74		53.08	0.06
75		54.95	0.18
76		55.35	0.30
77		60.61	0.22
78		65.48	0.16
79		66.60	0.10
			100.00

Chromatogram

Sample Name : Pichi Sample #: 253HI402 Page 1 of 1
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Pichi\2014\pichi 140910.raw
Date : 11/09/2014 10:00:33 Time of Injection: 11/09/2014 04:27:32
Method : pichi.mth End Time : 82.00 min Low Point : -47.27 mV High Point : 993.88 mV
Plot Offset: -47.27 mV Plot Scale: 1041.1 mV

