

Certificate of Analysis

Analysed essential oil : **Paramela**

Analysis date : January, 14th 2016

Batch : 012HI607

Shelf life : February 2019

❖ General description

Essential oil	Paramela	Origin	Argentina
Latin name	Adesmia boronioides		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Yellow brown
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)
Specific gravity	0.961
Refractive index	1.4939
Optical rotation	ND

❖ 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 : 2016-01-14

Software Version : 6.2.0.0.0:B27
Sample Name : Paramela
Instrument Name : CLARUS 500
Rack/Vial : 0/9
Sample Amount : 1.000000
Cycle : 9

Date : 14/01/2016 14:09:34
Data Acquisition Time : 13/01/2016 06:33:55
Channel : A
Operator : Davenne
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2016\160112c.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		2.83	0.07
2		3.64	0.11
3		6.85	0.09
4	thujene <alpha>	9.56	0.25
5	pinene <alpha>	9.83	7.96
6	camphene+fenchene<alpha>	10.46	0.19
7	sabinene	11.23	0.28
8	pinene <beta>	11.39	1.17
9	phellandrene <alpha>	12.46	0.08
10	terpinene <alpha>	13.06	0.23
11	cymene <p>	13.19	0.53
12	limonene + phellandrene <beta>	13.59	2.01
13	terpinene <gamma>	14.85	0.34
14		16.17	0.10
15		16.49	0.10
16	campholenal <alpha>	17.28	0.28
17		18.07	0.11
18		18.37	0.25
19		18.99	0.06
20		19.19	0.05
21	terpinen-4-ol	19.85	0.32
22		20.18	0.14
23	terpineol <alpha>	20.35	0.13
24		20.65	0.17
25		21.52	0.14
26		22.24	0.10
27		24.48	0.20
28		26.46	0.51
29		27.08	0.09
30		27.36	0.18
31		27.99	0.12
32		28.37	0.13
33		28.64	0.10
34		29.06	0.21
35		29.21	0.40
36	bourbonene <beta>	29.38	0.34
37		29.94	0.07
38		30.20	0.13
39		30.57	0.22
40		30.70	0.13
41	guaiaiene <6,9>	31.63	3.40
42		31.84	0.78
43		32.49	0.75
44		32.82	0.06
45		32.95	0.26
46	esquel-6-en-9-one + ?	33.15	25.21
47		33.29	0.40
48		33.42	0.73
49		33.81	2.07
50	cadinene <gamma>	34.30	0.85
51		34.47	0.14
52	cadinene <delta>	34.69	1.23
53		34.86	1.43
54		35.21	0.95
55		35.63	0.46
56		35.90	0.11
57		36.06	0.12
58		36.16	0.09

14/01/2016 14:09:34 Result:

Pic #	Component Name	TR [min]	Area [%]
59		36.30	0.07
60		36.44	1.04
61	furopelargone A	36.57	6.95
62	esquel-7-en-9-one + ?	36.71	13.24
63		37.09	1.29
64		37.27	0.11
65		37.40	0.21
66		37.55	1.17
67		37.82	0.11
68	maaliene <beta>	38.06	4.56
69		38.25	0.83
70		38.50	0.23
71		38.65	0.53
72		38.81	0.71
73		38.96	1.73
74		39.18	0.75
75		39.36	0.55
76		39.64	0.12
77		39.83	0.20
78		40.16	0.35
79		40.42	0.75
80		40.53	0.22
81		40.75	0.06
82		40.91	1.15
83		41.14	0.92
84		41.27	0.18
85		41.43	0.99
86		41.77	0.35
87		42.28	0.27
88		42.58	0.28
89		42.89	0.05
90		43.13	0.13
91		43.27	0.13
92		43.44	1.31
93		44.29	0.26
94		46.14	0.03
95		47.25	0.06
96		53.30	0.12
97		54.58	0.57
98		60.20	0.30
			100.00

Chromatogram

Sample Name : Paramela Sample #: 012hi607 Page 1 of 1
FileName : C:\Data\Colonne Apolaire\Huiles Essentielles\Paramela\2016\paramela 160112.raw
Date : 14/01/2016 14:09:35
Method : paramela.mth Time of Injection: 13/01/2016 06:33:55
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.26 mV High Point : 993.88 mV
Plot Offset: -47.26 mV Plot Scale: 1041.1 mV

