

Certificate of Analysis

Analysed essential oil : **Rosewood**

Analysis date : December, 19th 2016

Batch : 351SA602

Shelf life : June 2018

❖ General description

Essential oil	Rosewood	Origin	Brasil
Latin name	Aniba rosaeodora <i>Ducke</i> var. amazonica		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Very pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.884	0.870	<	d	<	0.887
Refractive index	1.4642	1.4620	<	IR	<	1.4690
Optical rotation	+1,90°	-2.5°	<	$[\alpha]^{20}_d$	<	+4°
Peroxyd index	14,7 mmol/L	0 mmol/L	<	IP	<	20 mmol/L

❖ 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 : 2016-12-19

Software Version : 6.3.2.0646
Sample Name : Bois de rose 351SA602
Instrument Name : CLARUS 500
Rack/Vial : 0/2
Sample Amount : 1.000000
Cycle : 2

Date : 12/19/2016 4:27:56 PM
Data Acquisition Time : 12/16/2016 2:14:13 PM
Channel : B
Operator : Charlene
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2016\161216.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	pinene <alpha>	3.12	0.35
2		3.76	0.01
3	pinene <beta>	4.51	0.19
4	myrcene	5.91	0.05
5	limonene	6.70	0.30
6	cineole <1.8>	6.90	0.15
7		7.10	0.04
8		7.92	0.03
9		8.05	0.04
10	ocimene <(E)-beta>	8.41	0.04
11		8.82	0.03
12		9.25	0.02
13		11.10	0.02
14	linalool oxide <cis>	14.83	1.08
15		15.72	0.05
16	linalool oxide <trans>	15.86	0.96
17		16.10	0.06
18	copaene <alpha>	16.58	0.59
19		17.95	0.06
20	linalool	19.29	86.89
21	caryophyllene<E>+elemene<beta>	20.25	0.29
22	terpinen-4-ol	20.59	0.04
23		21.24	0.15
24		21.88	0.03
25		23.13	0.17
26		23.59	0.07
27	terpineol <alpha>	24.02	0.66
28		24.25	0.03
29	selinene <beta>	24.41	0.73
30	selinene <alpha>	24.62	0.59
31		24.88	0.03
32		25.50	0.10
33	cadinene <delta>	26.03	0.19
34		26.20	0.03
35		26.51	0.14
36	nerol	27.79	0.21
37		28.41	0.03
38	geraniol	29.45	0.58
39	caryophyllene oxide	32.69	0.30
40		33.57	0.04
41		34.49	0.08
42		35.41	0.04
43		35.75	0.26
44		36.34	0.08
45		36.75	0.03
46		37.52	0.30
47		37.90	0.06
48		38.18	0.05
49		38.68	0.04
50		39.15	0.23
51		39.89	0.03
52		40.48	0.05
53		40.58	0.06
54		41.12	0.18
55		42.52	0.05
56		42.71	0.12
57		42.85	0.18

12/19/2016 4:27:56 PM Result:

pic #	Nom composant	TR [min]	Aire [%]
58		43.16	0.07
59		43.36	0.05
60		44.70	0.37
61		45.95	0.56
62		46.24	0.52
63		46.87	0.07
64	benzyl benzoate	50.83	1.16
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : Bois de rose 351SA602 Sample #: 351SA602 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Bois de Rose\2016\bois de rose 161216.raw
 Date : 12/19/2016 4:27:57 PM
 Method : bois de rose.mth Time of Injection: 12/16/2016 2:14:13 PM
 Start Time : 0.00 min End Time : 82.00 min Low Point : -47.15 mV High Point : 993.88 mV
 Plot Offset: -47.15 mV Plot Scale: 1041.0 mV

