

Certificate of Analysis

Analysed essential oil : **Saro**

Analysis date : November, 29th 2016

Batch : 330AAE601

Shelf life : May 2019

❖ General description

Essential oil	Saro	Origin	Madagascar
Latin name	Cinnamosma fragrans		

❖ Organoleptic characteristics

Appearance	Clear and mobile liquid
Colour	Pale yellow
Odour	Characteristic

❖ Physico-chemical characteristics

	Results (at 20°C)	Technical specifications				
Specific gravity	0.897	0.874	<	d	<	0.914
Refractive index	1.4680	1.4479	<	IR	<	1.4879
Optical rotation	+10,45°	-5°	<	$[\alpha]^{20}_D$	<	+30°

❖ 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 : 2016-11-29

Software Version : 6.3.2.0646
Sample Name : Saro 330AAE601
Instrument Name : CLARUS 500
Rack/Vial : 0/9
Sample Amount : 1.000000
Cycle : 9

Date : 11/29/2016 5:24:01 PM
Data Acquisition Time : 11/26/2016 1:56:28 AM
Channel : B
Operator : Charlene
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2016\161125.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1	thujene <alpha> + pinene <alph	3.12	5.05
2	camphene	3.76	0.08
3	pinene <beta>	4.53	6.72
4	sabinene	4.84	7.36
5	myrcene + phellandrene <alpha>	5.92	2.28
6	terpinene <alpha>	6.21	0.69
7	limonene	6.76	8.80
8	cineole <1.8>	7.03	41.42
9	ocimene <(Z)-beta>	7.93	0.90
10	terpinene <gamma>	8.11	1.39
11	ocimene <(E)-beta>	8.42	0.64
12	cymene <p>	8.82	1.11
13	terpinolene	9.25	0.41
14		9.89	0.03
15		11.10	0.07
16		12.44	0.02
17		14.81	0.03
18	cubebene <alpha>	15.45	0.31
19		15.73	0.05
20		15.84	0.05
21		16.23	0.02
22	copaene <alpha>	16.53	0.19
23		18.30	0.05
24		18.70	0.04
25	linalool	19.11	8.20
26		19.22	0.08
27		19.34	0.04
28		19.74	0.06
29	caryophyllene <(E)>	20.21	2.04
30	terpinen-4-ol	20.58	3.10
31		21.47	0.06
32		21.60	0.07
33		22.32	0.17
34		22.57	0.04
35	humulene <alpha>	22.68	0.60
36		22.79	0.04
37		23.11	0.35
38		23.23	0.23
39	neral	23.36	0.11
40		23.58	0.04
41		23.68	0.06
42	terpineol<alpha>+germaD+terpin	24.03	4.20
43		24.22	0.08
44		24.94	0.10
45	geranial	25.05	0.33
46		25.31	0.07
47		25.74	0.03
48	cadinene <gamma>	25.92	0.06
49	cadinene <delta>	26.02	0.29
50		26.19	0.02
51		26.39	0.07
52		26.71	0.06
53		26.77	0.06
54		27.78	0.07
55		28.03	0.03
56		28.40	0.19
57		29.18	0.03

11/29/2016 5:24:01 PM Result:

pic #	Nom composant	TR [min]	Aire [%]
58	geraniol	29.43	0.13
59		32.50	0.03
60	caryophyllene oxide	32.74	0.26
61		34.48	0.07
62		35.45	0.06
63		35.74	0.08
64		36.23	0.02
65		36.44	0.03
66		36.70	0.05
67		38.56	0.03
68		39.10	0.07
69		40.45	0.03
70		44.32	0.45
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : Saro 330AAE601 Sample # : 253ME602 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\Huiles Essentielles\Saro\2016\saro 161125.raw
 Date : 11/29/2016 5:24:02 PM Time of Injection: 11/26/2016 1:56:28 AM
 Method : saro.mth End Time : 82.00 min Low Point : -47.12 mV High Point : 993.88 mV
 Plot Offset: -47.12 mV Plot Scale: 1041.0 mV

