

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Tea tree EO / 0 / 08-02-19
Modification(s) : none
Published : 02/12/2019

p1/1

Tea tree EO

Laboratoire Rosier Davenne code : 01T/MELALT

Date of analysis : 16/10/2019

Batch number : 288JA903

Retest date (shelf life): 11/2022

❖ General description

Essential oil	Tea tree EO	Origin	Australie
Latin name	<i>Melaleuca alternifolia</i>		

❖ Sensory quality

Aspect	Clear and mobile liquid	Conform
Color	Colorless	Conform
Odor	Characteristic	Conform

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,885 - 0,906	0.898	Conform
Refractive index (20°C)	1,4750 - 1,4820	1.4785	Conform
Optical rotation (20°C)	+5° à +15°	9.85	Conform
Peroxide index	Not applicable	Not applicable	Not applicable

❖ Chromatography analyse

GC : Perkin Elmer - Clarus 500

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

Injection : split

Detector : FID

Carrier gas : H2

-> See chromatography attached (polar column)

❖ Conclusion

Batch accepted.

Software Version : 6.3.2.0646
Sample Name : HE Tea Tree 288JA903
Instrument Name : CLARUS 500
Rack/Vial : 0/6
Sample Amount : 1.000000
Cycle : 7

Date : 10/30/2019 10:15:18 AM
Data Acquisition Time : 10/30/2019 1:25:53 AM
Channel : B
Operator : Sarah
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2019\191029.seq

Rapport d'analyse

colonne polaire Elite WAX

pic #	Nom composant	TR [min]	Aire [%]
1		2.41	0.01
2	pinene<alpha>	2.96	2.29
3	thujene<alpha>	3.02	0.90
4		3.55	0.02
5	pinene <beta>	4.24	0.68
6	sabinene	4.52	0.46
7	phellandrene<alpha>	5.49	0.44
8	myrcene	5.56	0.84
9	terpinene <alpha>	5.89	10.11
10	limonene	6.33	0.74
11	cineole <1.8>	6.54	2.20
12	terpinene <gamma>	7.77	20.46
13		7.99	0.01
14	cymene <p>	8.37	2.02
15	terpinolene	8.83	3.54
16		10.04	0.01
17		12.27	0.10
18		13.99	0.05
19		15.13	0.06
20		15.25	0.06
21		15.41	0.05
22		15.93	0.02
23		16.07	0.05
24	copaene <alpha>	16.21	0.10
25		17.46	0.02
26	gurjunene <alpha>	17.55	0.31
27		18.22	0.15
28	linalool	18.59	0.06
29	menth-2-en-1-ol <cis-p>	18.74	0.45
30		19.82	0.32
31	caryophyllene <(E)>	19.94	0.08
32	terpinen-4-ol	20.23	41.82
33	aromadendrene+?	20.34	0.90
34		20.44	0.05
35		20.55	0.14
36	menth-2-en-1-ol <trans-p>	21.12	0.42
37		21.27	0.03
38	aromandendrene <allo>	21.49	0.44
39		21.92	0.04
40	cadina-1(6),4-diene <cis>	22.20	0.30
41		22.28	0.08
42		22.73	0.02
43		22.87	0.09
44		23.07	0.06
45	viridiflorene	23.38	0.92
46	terpineol <alpha>	23.55	2.92
47		23.84	0.14
48		23.99	0.08
49		24.22	0.08
50	bicyclogermacrene+muurolene<al	24.55	1.19
51		25.25	0.15
52		25.53	0.29
53	cadinene <delta>	25.65	1.17
54		26.32	0.21
55		27.29	0.02
56		27.69	0.02
57		27.98	0.09

10/30/2019 10:15:18 AM Result:

pic #	Nom composant	TR [min]	Aire [%]
58		28.64	0.03
59		30.88	0.04
60		33.16	0.04
61		33.84	0.09
62		33.99	0.02
63		34.06	0.04
64		34.74	0.03
65		35.05	0.22
66		35.29	0.20
67	globulol	35.60	0.32
68	viridiflorol	35.89	0.17
69		36.20	0.05
70		36.60	0.07
71		36.89	0.13
72		37.10	0.07
73		38.08	0.03
74		38.61	0.05
75		39.46	0.05
76		40.17	0.06
			100.00

Laboratoire Rosier Davenne

Chromatogram

Sample Name : HE Tea Tree 288JA903 Sample #: 7 Page 1 of 1
FileName : C:\Data\Colonne Polaire\2019\191029_HE Tea Tree 288JA903_007.raw
Date : 10/30/2019 10:15:19 AM
Method : Tea Tree.mth Time of Injection: 10/30/2019 1:25:53 AM
Start Time : 0.00 min End Time : 82.00 min Low Point : -47.13 mV High Point : 993.88 mV
Plot Offset: -47.13 mV Plot Scale: 1041.0 mV

