

Laboratoire Rosier Davenne

CERTIFICATE OF ANALYSIS

Model/Product/Revision/Date of revision : BAHEEN001 / Organic chamomile romane EO / 0 / 08-02-19
Modification(s) : none
Published : 14/10/2019

p1/1

Chamomile romane EO

Laboratoire Rosier Davenne code : **02C/CHANOB**

Date of analysis : 18/06/2019

Batch number : **095DA901**

Retest date (shelf life): **05/2022**

❖ General description

Essential oil	Organic chamomile romane EO	Origin	France
Latin name	<i>Chamaemelum nobile</i>		

❖ Sensory quality

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

❖ Analytical quality

	Laboratoire Rosier Davenne specifications	Results	Conclusion
Density (20°C)	0,900 - 0,920	0.905	Conform
Refractive index (20°C)	1,4380 - 1,4470	1.4412	Conform
Optical rotation (20°C)	-2° à +3°	-0.10	Conform
Peroxide index	Not applicable	Not applicable	Conform

❖ 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 Camomille romaine 095DA901
Instrument Name : CLARUS 500
Rack/Vial : 0/5
Sample Amount : 1.000000
Cycle : 6

Date : 6/19/2019 4:29:06 PM
Data Acquisition Time : 6/19/2019 1:44:26 AM
Channel : B
Operator : Ismerie
Dilution Factor : 1.000000

Result File :
Sequence File : C:\Sequences\CPG\2019\190618.seq

Rapport d'analyse

colonne apolaire

Pic #	Component Name	TR [min]	Area [%]
1		2.79	0.02
2		2.83	0.05
3	pinene <alpha>	2.97	1.34
4		3.39	0.08
5	camphene	3.57	0.39
6		3.78	0.04
7		3.83	0.04
8		3.89	0.11
9	isobutyl isobutyrate	4.06	4.44
10	pinene<beta>	4.27	0.14
11		4.49	0.05
12		4.56	0.65
13	isoamyl acetate+sabinene	4.77	0.03
14		5.00	0.05
15		5.19	0.06
16		5.49	0.03
17	isobutyl methacrylate	5.64	1.28
18	isobutyl-2-methyl butanoate	5.93	0.77
19	butyl angelate	5.99	0.26
20		6.20	0.05
21	limonene	6.37	0.77
22	isoamyl isobutyrate+cineole<1.	6.47	3.10
23		6.57	0.17
24		7.25	0.03
25		7.39	0.04
26	ocimene<Z-beta>	7.73	0.02
27	terpinene<gamma>	7.80	0.12
28	2-methyl butenyl methacrylate	7.96	1.41
29		8.04	0.03
30	ocimene<E-beta>	8.15	0.25
31	cymene<p>	8.41	0.13
32		8.67	0.04
33	terpinolene	8.74	0.76
34		8.88	0.03
35		8.99	0.08
36	isoamyl methacrylate	9.07	0.42
37	isobutyl angelate	9.32	35.45
38		9.56	0.09
39		9.80	0.02
40		10.03	0.03
41		10.15	0.05
42		10.26	0.02
43		11.10	0.80
44		11.32	0.01
45		11.42	0.05
46		11.56	0.50
47	methyl allyl angelate	12.18	8.88
48		12.36	0.04
49		12.55	0.03
50	2-methyl butyl angelate	12.80	4.53
51	isoamyl angelate	12.99	17.79
52		13.70	0.05
53		14.66	0.08
54		14.84	0.14
55		15.26	0.06
56	linalool oxide <trans>	15.45	0.75
57		15.57	0.25

6/19/2019 4:29:06 PM Result:

Pic #	Component Name	TR [min]	Area [%]
58		15.77	0.03
59		15.88	0.06
60		16.54	0.03
61		16.65	0.05
62	pinocamphone<trans>	16.76	0.04
63		16.84	0.24
64		17.26	0.35
65	pinocamphone<cis>	17.54	0.30
66		17.67	0.04
67	pinocarvone	18.42	2.51
68	Linalool	18.78	0.02
69	isopulegol<neo>	19.20	0.23
70		19.27	0.09
71		19.84	0.16
72	caryophyllene<E>	20.00	0.11
73	terpinen-4-ol	20.15	0.06
74		20.54	0.69
75	myrtenal	20.85	0.03
76	pinocarveol<trans>	21.92	4.76
77		22.85	0.08
78		23.08	0.08
79	borneol+terpineol<alpha>	23.62	0.16
80		23.79	0.13
81		24.07	0.05
82		24.48	0.03
83		24.94	0.08
84		25.93	0.03
85		26.05	0.14
86		26.42	0.07
87		26.79	0.36
88	myrtenol	26.85	0.44
89		27.26	0.03
90		29.73	0.55
91		30.04	0.06
92		30.48	0.32
93		31.15	0.03
94		33.49	0.03
95		33.81	0.11
96		36.46	0.10
97		38.14	0.08
98		38.76	0.09
99		39.00	0.04
100		42.68	0.21
			100.00

Chromatogram

Sample Name : HE Camomille romaine 095DA901 Sample #: 5 Page 1 of 1
 FileName : C:\Data\Colonne Polaire\2019\190618_HE Camomille romaine 095DA901_006.raw
 Date : 6/19/2019 4:29:06 PM
 Method : camomille romaine.mth Time of Injection: 6/19/2019 1:44:26 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

