

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Organic Bergamot - 200341986

Type: Essential oil

Source: Citrus aurantium var. bergamia

Country of Origin: Italy

ANALYSIS

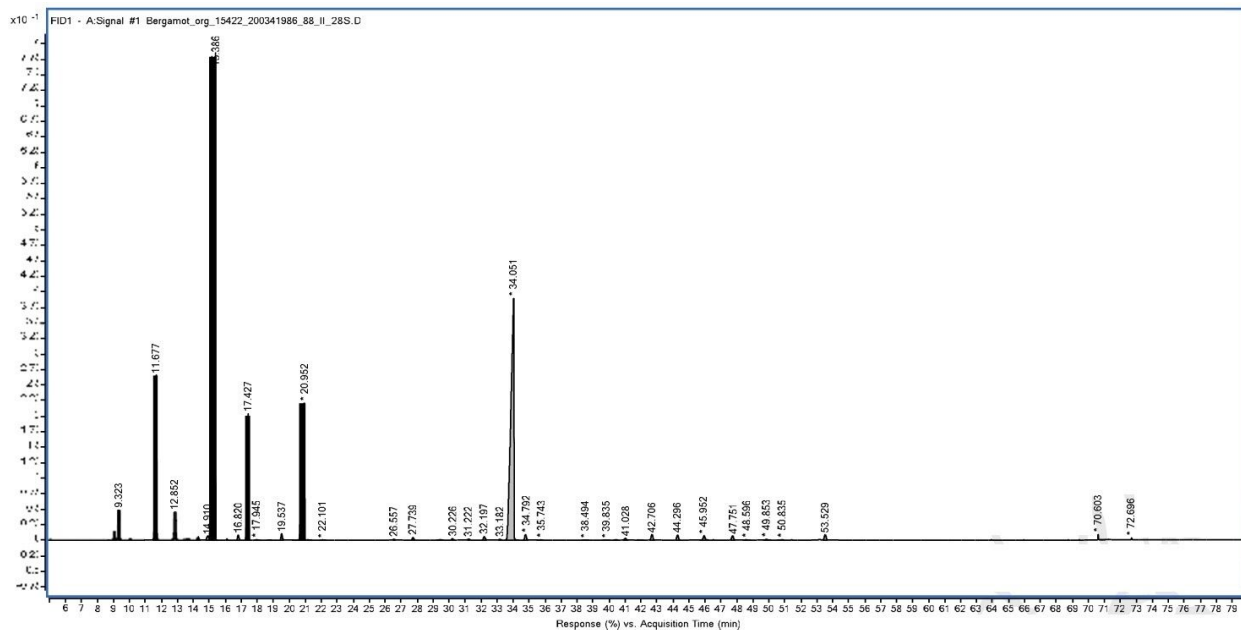
Method: 10152018_10:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

Analysis date: May 6, 2020

Physical aspect: Clear liquid

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method. The oil nearly complies with ISO specifications.



1	Tricyclene	8.719	0.01
2	α -Thujene	9.05	0.26
3	α -Pinene	9.323	1.01
4	Camphene	10.05 3	0.03
5	Sabinene + β -Pinene	11.67 7	7.27
6	β -Myrcene	12.85 2	1.15
7	α -Phellandrene	13.46 8	0.02
8	Octanal	13.66 1	0.03
9	α -Terpinene	14.31 7	0.14
10	p-Cymene	14.91	0.25
11	Limonene	15.38 6	43.06
12	(Z)- β -Ocimene	16.12	0.05
13	(E)- β -Ocimene	16.82	0.23
14	γ -Terpinene	17.42 7	6.21
15	cis-Sabinene hydrate	17.94 5	0.03
16	cis-p-Mentha-2,8-dien-1-ol	18.71 4	0.01
17	cis-p-Mentha-2,8-dien-1-ol	19.53 7	0.29
18	α -Terpinolene	20.32 6	0.01
19	Linalool	20.95 2	11.47
20	Nonanal	21.18 7	0.02
21	trans-2,8-p-Mentha-dien-1-ol	22.10 1	0.01
22	Terpinen-4-ol	26.55 7	0.03
23	α -Terpineol	27.73 9	0.13
24	Decanal	29.45 5	0.04
25	Octyl acetate	30.22 6	0.07
26	Nerol	31.22 2	0.05
27	Neral	32.19 7	0.21
28	unknown	33.18 2	0.04
29	Linalyl acetate	34.05 1	25.64
30	Geranial	34.79 2	0.29
31	Bornyl acetate	35.74 3	0.02
32	Nonanyl acetate	38.49 4	0.02
33	δ -Elemene	39.83 5	0.02

34	unknown	40.42 6	0.03
35	α -Terpinyl acetate	41.02 8	0.11
36	unknown	41.84 7	0.02
37	Neryl acetate	42.70 6	0.33
38	Geranyl acetate	44.29 6	0.32
39	cis- α -Bergamotene	45.95 2	0.32
40	trans- α -Bergamotene	47.75 1	0.26
41	α -Humulene	48.59 6	0.03
42	(E)- β -Farnesene	49.85 3	0.05
43	Germacrene D	50.83 5	0.04
44	β -Bisabolene	53.52 9	0.35
45	unknown	70.60 3	0.02