

Date: September 25th, 2020

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Myrrh Oil - 200375502

Type: Essential oil

Source: Commiphora myrrha

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: September 24th, 2020

Physical aspect: Light yellow viscous liquid

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

Analyzed and approved by:

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Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	6.45	0.01
2	α -Pinene	9.235	0.01
3	Limonene	15.006	0.01
4	δ -Elemene	39.709	0.73
5	α -Cubebene	40.64	0.02
6	α -Ylangene	42.211	0.01
7	α -Copaene	42.563	0.06
8	β -Bourbonene	43.185	0.26
9	cis- β -Elemene	43.507	0.09
10	β -Elemene	44.169	3.94
11	β -Caryophyllene	45.833	0.44
12	β -Copaene	46.697	0.12
13	γ -Elemene	47.417	2.07
14	cis-Muurola-3,5-diene	47.893	0.06
15	α -Humulene	48.482	0.2
16	β -Santalene	49.489	0.02
17	β -Longipinene	49.773	0.04
18	γ -Gurjunene	50.073	0.01
19	γ -Muurolene	50.425	0.06
20	Germacrene D	50.731	1.01
21	β -Selinene	51.023	0.34
22	α -Selinene	51.772	0.41
23	Curzerene	52.747	29.28
24	unknown	53.109	0.23
25	γ -Cadinene	53.462	0.29
26	δ -Cadinene	54.291	0.16
27	trans- γ -Bisabolene	54.777	0.07
28	Selina-3,7(11)-diene	55.221	0.13
29	Germacrene B	56.33	1.73
30	unknown	58.117	0.56
31	β -Elemenone	60.4	0.21
32	Furanoeudesma-1,3-diene	61.911	33.25
33	Lindestrene	62.145	10.48
34	τ -Cadinol	62.402	0.67
35	α -Eudesmol	62.828	0.43
36	furanodiene	63.011	0.33
37	unknown	63.244	0.05
38	unknown	63.444	0.09
39	Isofuranogermacrene	63.726	1.34
40	unknown	63.904	0.48
41	α -Elemyl acetate	63.983	1.2

42	Germacron	64.081	0.05
43	Methoxyfuranodiene analog	64.692	6.16
44	unknown	65.72	0.18
45	unknown	65.897	0.04
46	unknown	66.071	0.06
47	unknown	66.178	0.05
48	unknown	66.278	0.1
49	unknown	66.367	0.24
50	unknown	66.789	0.18
51	4,4'-Dimethyl-2,2'-dimethylenebicyclohexyl-3,3'-diene	66.982	1.02
52	unknown	67.049	0.12
53	unknown	67.223	0.15
54	unknown	67.488	0.13
55	Furanoeudesma-1,3-diene	67.83	0.29
56	unknown	68.111	0.14
57	unknown	68.151	0.05
58	unknown	68.862	0.05
59	unknown	69.017	0.04
	Total identified		97.06%



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