

Laboratory Test Report

SAMPLE NAME : Katrafay
CLIENT NAME : Makaaina LLC
CLIENT LOT # : 23335135B
APRC LOT# : MAK240314G

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thickness)
Instrument : Shimadzu GCMS-QP2010 Ultra
Carrier gas : Helium 80 psi
Temperature ramp : 2 degrees Celsius per minute up to 260-degree Celsius
Split ratio : 30:1
Sample preparation : 5% w/v solution with Dichloromethane

Interpretation on this sample

The analysis of Katrafay sample meets the standard chemical profile of Cedrelopsis grevei essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

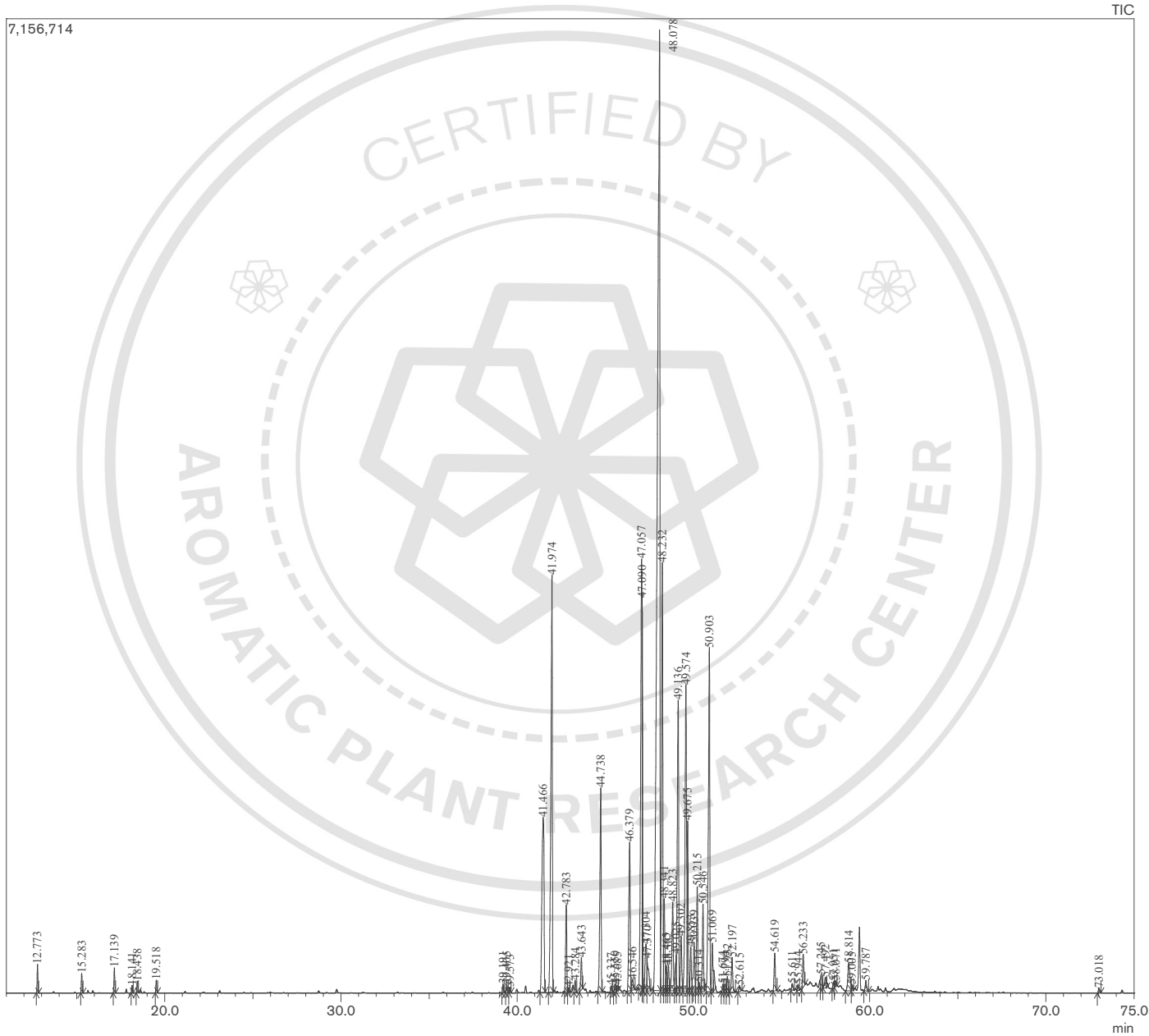
Issued Date : 3/15/2024

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 3/15/2024 4:53:45 PM
Sample Type : Essential Oil
Sample Name : Katrafay
Client Name : Makaaina LLC
Client Lot# : 23335135B
APRC Lot# : MAK240314G
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	12.773	alpha-Pinene	0.25
2	15.283	beta-Pinene	0.19
3	17.139	delta-3-Carene	0.25
4	18.141	para-Cymene	0.08
5	18.438	Limonene	0.12
6	19.518	trans-beta-Ocimene	0.13
7	39.191	delta-Elementene	0.10
8	39.405	alpha-Cubebene	0.10
9	39.573	alpha-Terpinyl acetate	0.06
10	41.466	alpha-Ylangene	4.28
11	41.974	alpha-Copaene	7.27
12	42.783	beta-Elementene	1.18
13	42.921	cis-Sativene	0.06
14	43.284	trans-Sativene	0.16
15	43.643	Cyperene	0.44
16	44.738	beta-Caryophyllene	3.12
17	45.337	beta-Copaene	0.08
18	45.550	trans-alpha-Bergamotene	0.13
19	45.685	alpha-Guaiene	0.09
20	46.379	Selina-5,11-diene	2.54
21	46.546	Spirolepechinene	0.22
22	47.057	alpha-Humulene	7.12
23	47.090	Unidentified	2.37
24	47.304	allo-Aromadendrene	1.00
25	47.370	Rotundene	0.59
26	48.078	Ishwarene	29.77
27	48.232	trans-Cadina-1(6),4-diene	6.48
28	48.341	gamma-Gurjunene	1.29
29	48.465	alpha-Amorphene	0.30
30	48.582	ar-Curcumene	0.34
31	48.823	Aristolochene	1.46
32	49.025	delta-Selinene	0.46
33	49.136	beta-Selinene	4.83
34	49.302	Valencene	0.83
35	49.574	alpha-Selinene	5.57
36	49.675	alpha-Murolene	2.05
37	49.853	alpha-Bulnesene	0.62
38	50.039	beta-Dihydroagarofuran	0.80
39	50.215	beta-Bisabolene	1.52
40	50.314	beta-Curcumene	0.12
41	50.546	gamma-Cadinene	1.20
42	50.903	delta-Cadinene	5.85
43	51.069	trans-Calamenene	0.70
44	51.674	trans-Cadine-1,4-diene	0.10
45	51.794	gamma-Calcorene	0.12
46	51.932	alpha-Cadinene	0.21
47	52.197	alpha-Calacorene	0.55
48	52.615	alpha-Elementol	0.09
49	54.619	Caryophyllene oxide	0.54
50	55.611	cis-Bisabol-11-ol	0.10
51	55.944	Ledol	0.08
52	56.233	Humulene epoxide II	0.48
53	57.245	1-epi-Cubenol	0.19
54	57.492	gamma-Eudesmol	0.23
55	57.951	Hinesol	0.08
56	58.071	epi-alpha-Cadinol	0.09
57	58.814	alpha-Eudesmol	0.70
58	59.005	Selin-11-en-4-alpha-ol	0.10
59	59.787	Cadalene	0.16
60	73.018	Alloevodionol	0.07
			100.00