

Laboratory Test Report

SAMPLE NAME : Patchouli
CLIENT NAME : Plant Therapy
CLIENT LOT # : P20113R
APRC LOT# : PT250303A

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 Patchouli sample meets the standard chemical profile of Pogestemon cablin essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

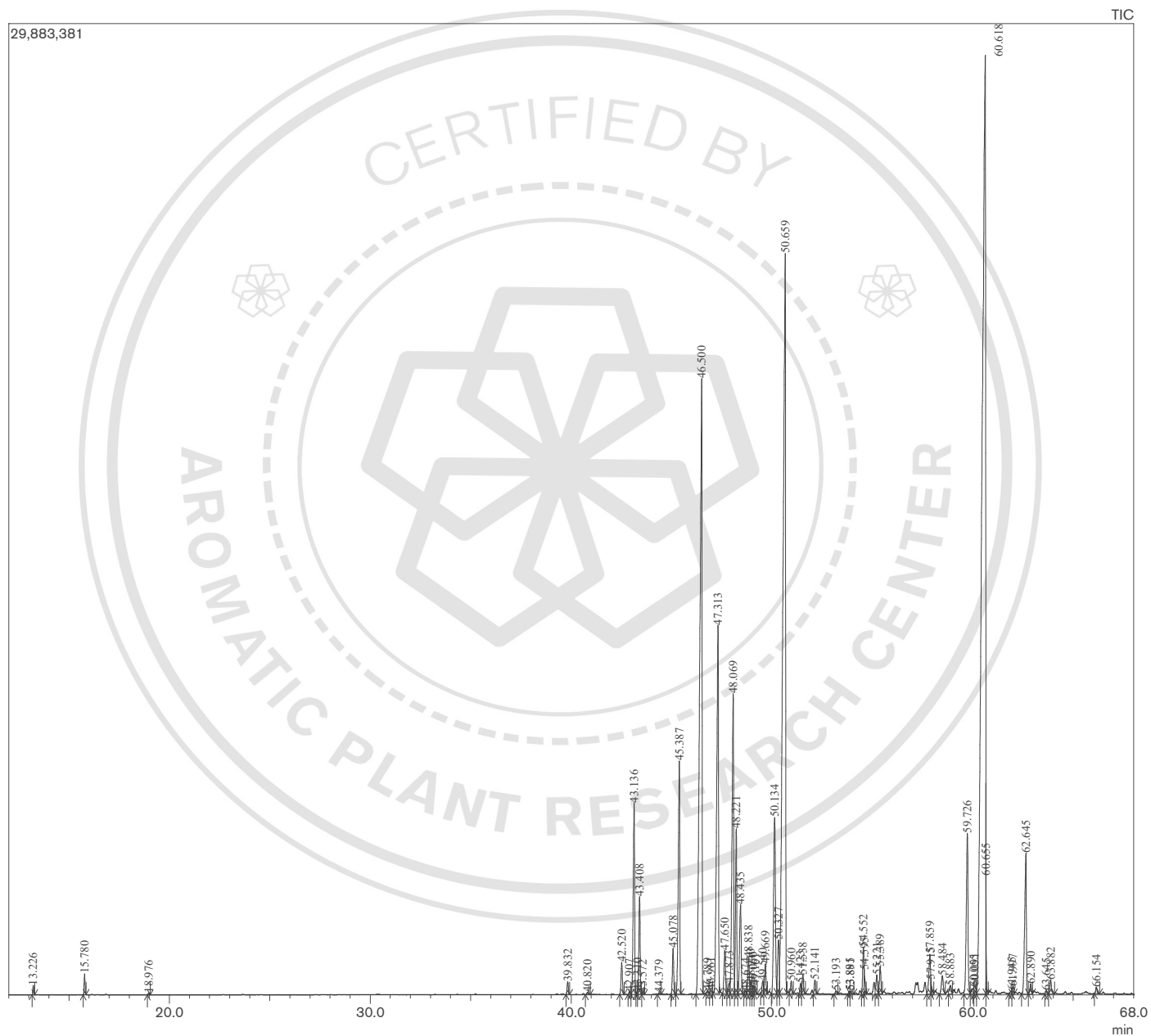
Issued Date : 3/6/2025

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 3/6/2025 7:12:20 AM
Sample Type : Essential Oil
Sample Name : Patchouli
Client Name : Plant Therapy
Client Lot# : P20113R
APRC Lot# : PT250303A
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	13.226	alpha-Pinene	0.07
2	15.780	beta-Pinene	0.18
3	18.976	Limonene	0.02
4	39.832	delta-Elemene	0.15
5	40.820	Eugenol	0.03
6	42.520	alpha-Copaene	0.39
7	42.907	cis-beta-Elemene	0.03
8	43.136	beta-Patchoulene	2.49
9	43.310	beta-Cubebene	0.02
10	43.408	trans-beta-Elemene	1.18
11	43.572	Patchoulene isomer	0.02
12	44.379	cis-Caryophyllene	0.02
13	45.078	Cycloseychellene	0.55
14	45.387	beta-Caryophyllene	3.23
15	46.500	alpha-Guaiene	12.93
16	46.789	4-epi-alpha-Patchoulene	0.03
17	46.961	Selina-5,11-diene	0.04
18	47.313	Seychellene	6.25
19	47.650	alpha-Humulene	0.59
20	47.873	Aromadendrene dehydro isomer	0.15
21	48.069	alpha-Patchoulene	4.58
22	48.221	9-epi-Caryophyllene isomer 1	1.91
23	48.435	9-epi-Caryophyllene isomer 2	1.36
24	48.674	Selina-4,11-diene	0.03
25	48.838	Unidentified	0.48
26	48.940	gamma-Curcumene	0.13
27	49.060	gamma-Gurjunene	0.11
28	49.161	Germacrene D	0.10
29	49.540	delta-Selinene	0.15
30	49.669	beta-Selinene	0.36
31	50.134	Aciphyllene	3.01
32	50.327	gamma-Patchoulene	0.84
33	50.659	alpha-Bulnesene	17.99
34	50.960	Nootkatene	0.16
35	51.423	delta-Cadinene	0.11
36	51.538	7-epi-alpha-Selinene	0.22
37	52.141	Nootkatene isomer	0.16
38	53.193	alpha-Elemol	0.04
39	53.885	Germacrene B	0.03
40	53.891	trans-Nerolidol	0.03
41	54.552	nor-Patchoulenol	0.55
42	54.595	Unidentified	0.18
43	55.221	Caryophyllene oxide	0.26
44	55.389	Unidentified	0.37
45	57.859	Unidentified	0.61
46	57.915	iso-Spathulenol	0.12
47	58.484	Unidentified	0.32
48	58.883	trans-Guai-11-en-10-ol	0.16
49	59.726	Pogostol	2.55
50	60.055	Unidentified	0.13
51	60.091	Bulnesol	0.13
52	60.618	Patchouli alcohol	31.27
53	60.655	Unidentified	0.33
54	61.945	Heptadecane	0.05
55	61.997	cis-Thujopsenol	0.09
56	62.645	Pogostone	2.23
57	62.890	Atlantone isomer	0.14
58	63.645	Zizanone	0.04
59	63.882	Unidentified	0.21
60	66.154	Squamulosone	0.09
			100.00