

Laboratory Test Report

SAMPLE NAME : Organic Rosemary
CLIENT NAME : Plant Therapy
CLIENT LOT # : R50115R
APRC LOT# : PT250716A

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 the Rosemary sample meets the standard chemical profile of *Rosemarinus officinalis* essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

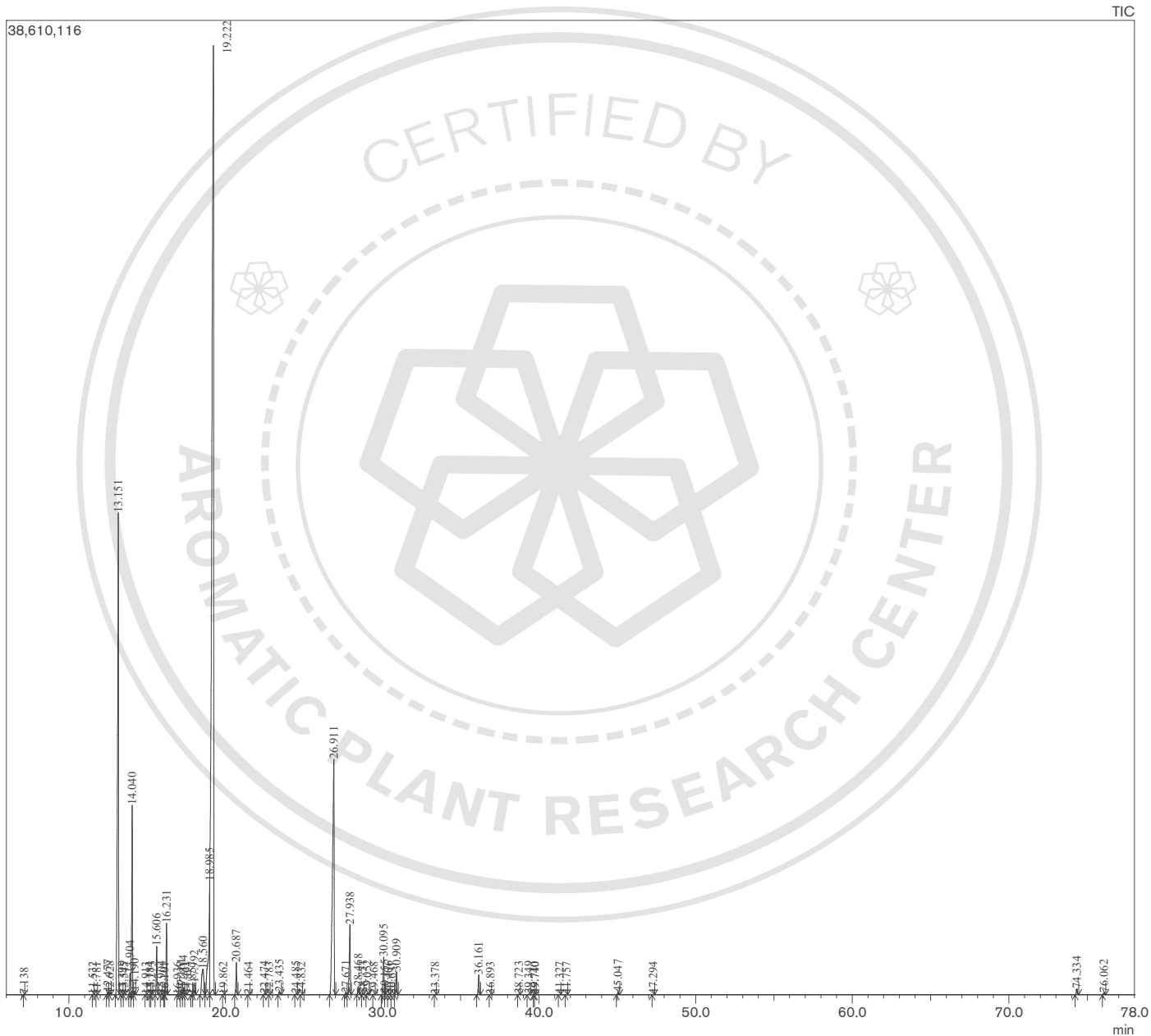
Issued Date : 7/16/2025

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 7/16/2025 9:35:59 PM
Sample Type : Essential Oil
Sample Name : Organic Rosemary
Client Name : Plant Therapy
Client Lot# : R50115R
APRC Lot# : PT250716A
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	7.138	Mesityl oxide	0.00
2	11.532	Bornylene	0.01
3	11.781	2,6-Dimethyl-oct-4-ene	0.00
4	12.477	Tricyclene	0.06
5	12.628	alpha-Thujene	0.02
6	13.151	alpha-Pinene	14.54
7	13.399	beta-Fenchene	0.02
8	13.545	beta-Citronellene	0.01
9	13.904	alpha-Fenchene	0.57
10	14.040	Camphene	4.45
11	14.190	Thuja-2,4(10)-diene	0.07
12	14.913	4-Cyclopropylnorcarane	0.01
13	15.184	3,7,7-Trimethyl-1,3,5-cycloheptatriene	0.00
14	15.273	Sabinene	0.01
15	15.606	beta-Pinene	1.09
16	15.904	trans-Isolimonene	0.02
17	16.101	3-para-Menthene	0.00
18	16.231	Myrcene	1.65
19	16.936	2-para-Menthene	0.00
20	17.161	para-Mentha-1(7),8-diene	0.09
21	17.314	alpha-Phellandrene	0.16
22	17.461	delta-3-Carene	0.01
23	17.857	1,4-Cineole	0.00
24	17.992	alpha-Terpinene	0.35
25	18.560	para-Cymene	1.51
26	18.985	Limonene	3.75
27	19.222	1,8-Cineole	53.74
28	19.862	trans-beta-Ocimene	0.01
29	20.687	gamma-Terpinene	0.78
30	21.464	cis-Sabinene hydrate	0.01
31	22.474	Terpinolene	0.02
32	22.783	para-Cymenene	0.00
33	23.435	Linalool	0.09
34	24.485	iso-Fenchol	0.02
35	24.832	exo-Fenchol	0.01
36	26.911	Camphor	11.56
37	27.671	trans-Pinocamphone	0.05
38	27.938	Isoborneol	2.20
39	28.468	Borneol	0.21
40	28.751	cis-Pinocamphone	0.03
41	29.052	Terpinen-4-ol	0.05
42	29.468	para-Cymen-8-ol	0.01
43	30.095	alpha-Terpineol	1.13
44	30.155	Myrtenol	0.02
45	30.406	gamma-Terpineol	0.02
46	30.631	epi-Borneol	0.02
47	30.909	Verbenone	0.65
48	33.378	Carvone	0.01
49	36.161	Bornyl acetate	0.57
50	36.893	trans-Pinocarvyl acetate	0.00
51	38.723	Myrtenyl acetate	0.02
52	39.349	Unidentified	0.01
53	39.710	Piperitenone	0.00
54	39.740	2,3-Pinanediol	0.01
55	41.327	Myrtanyl acetate	0.01
56	41.757	trans-Dihydro carvyl acetate	0.01
57	45.047	beta-Caryophyllene	0.07
58	47.294	alpha-Humulene	0.01
59	74.334	Dimyrcene A	0.18
60	76.062	Dimyrcene B	0.06
			100.00