

Laboratory Test Report

SAMPLE NAME : Organic Basil Linalool
CLIENT NAME : Plant Therapy
CLIENT LOT # : B20106R
APRC LOT# : PT251016A

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 Basil linalool sample meets the standard chemical profile of Ocimum basilicum essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

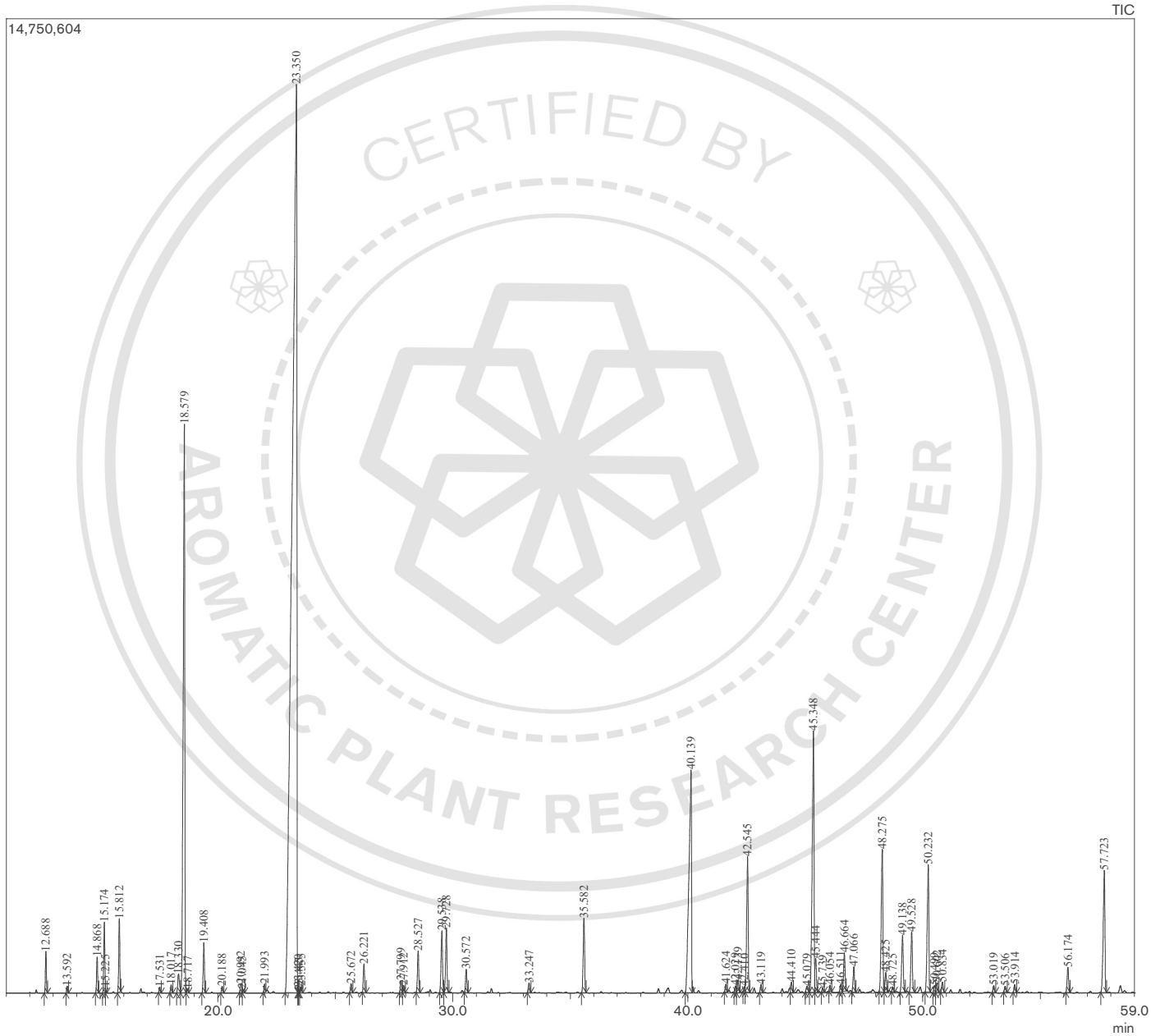
Issued Date : 10/16/2025

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 10/16/2025 5:12:06 PM
Sample Type : Essential Oil
Sample Name : Organic Basil Linalool
Client Name : Plant Therapy
Client Lot# : B20106R
APRC Lot# : PT251016A
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	12.688	alpha-Pinene	0.49
2	13.592	Camphene	0.08
3	14.868	Sabinene	0.46
4	15.174	beta-Pinene	0.92
5	15.225	1-Octen-3-ol	0.03
6	15.812	Myrcene	0.93
7	17.531	alpha-Terpinene	0.07
8	18.017	para-Cymene	0.11
9	18.330	Limonene	0.39
10	18.579	1,8-Cineole	10.64
11	18.717	cis-beta-Ocimene	0.05
12	19.408	trans-beta-Ocimene	0.69
13	20.188	gamma-Terpinene	0.09
14	20.992	cis-Sabinene hydrate	0.16
15	21.045	n-Octanol	0.05
16	21.993	Terpinolene	0.11
17	23.350	Linalool	50.54
18	23.420	Hotrienol	0.05
19	23.445	trans-Sabinene hydrate	0.01
20	23.555	1-Octen-3-yl acetate	0.08
21	25.672	trans-Myroxide	0.13
22	26.221	Camphor	0.43
23	27.799	delta-Terpineol	0.18
24	27.912	Borneol	0.11
25	28.527	Terpinen-4-ol	0.65
26	29.538	alpha-Terpineol	1.03
27	29.728	Methyl chavicol	1.03
28	30.572	Octyl acetate	0.36
29	33.247	Geraniol	0.15
30	35.582	Bornyl acetate	1.22
31	40.139	Eugenol	6.60
32	41.624	alpha-Copaene	0.12
33	42.029	cis-beta-Elementene	0.11
34	42.139	beta-Bourbonene	0.22
35	42.410	beta-Cubebene	0.07
36	42.545	trans-beta-Elementene	2.44
37	43.119	Methyl eugenol	0.12
38	44.410	beta-Caryophyllene	0.17
39	45.079	beta-Copaene	0.12
40	45.348	trans-alpha-Bergamotene	5.48
41	45.444	alpha-Guaiene	0.55
42	45.739	cis-beta-Farnesene	0.06
43	46.054	cis-Muurolo-3,5-diene	0.09
44	46.511	trans-beta-Farnesene	0.12
45	46.664	alpha-Humulene	0.66
46	47.066	cis-Muurolo-4(14),5-diene	0.42
47	48.275	Germacrene D	2.75
48	48.425	trans-beta-Bergamotene	0.34
49	48.725	beta-Selinene	0.08
50	49.138	Bicyclogermacrene	1.07
51	49.528	alpha-Bulnesene	1.09
52	50.232	gamma-Cadinene	2.39
53	50.499	delta-Cadinene	0.12
54	50.602	trans-Calamenene	0.17
55	50.834	beta-Sesquiphellandrene	0.18
56	53.019	trans-Nerolidol	0.11
57	53.506	Maaliol	0.10
58	53.914	Spathulenol	0.13
59	56.174	1,10-di-epi-Cubenol	0.44
60	57.723	epi-alpha-Cadinol	2.45
			100.00