

Laboratory Test Report

SAMPLE NAME : Lavandin
CLIENT NAME : Plant Therapy
CLIENT LOT # : L20112R
APRC LOT# : PT250512H

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 Lavandin sample meets the standard chemical profile of Lavandin grosso essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

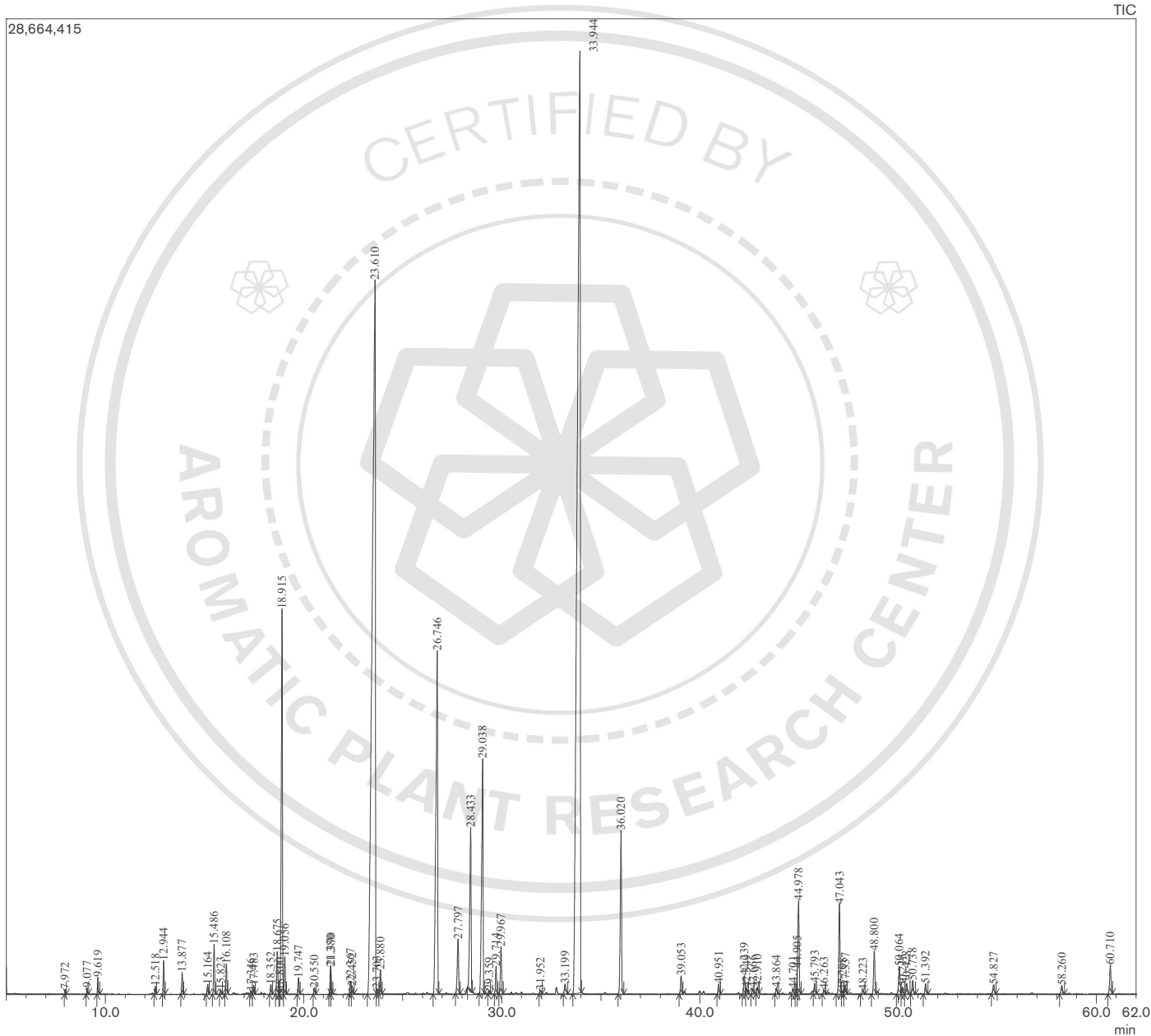
Issued Date : 5/13/2025

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 5/13/2025 4:51:31 AM
Sample Type : Essential Oil
Sample Name : Lavandin
Client Name : Plant Therapy
Client Lot# : L20112R
APRC Lot# : PT250512H
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	7.972	1-Methoxy hexane	0.04
2	9.077	3-cis-Hexenol	0.06
3	9.619	n-Hexanol	0.15
4	12.518	alpha-Thujene	0.08
5	12.944	alpha-Pinene	0.36
6	13.877	Camphene	0.24
7	15.164	Sabinene	0.11
8	15.486	Octen-3-ol+beta-Pinene	0.59
9	15.823	3-Octanone	0.05
10	16.108	Myrcene	0.34
11	17.346	delta-3-Carene	0.04
12	17.483	Hexyl acetate	0.10
13	18.352	para-Cymene	0.12
14	18.675	Limonene	0.62
15	18.800	beta-Phellandrene	0.02
16	18.915	1,8-Cineole	5.64
17	19.056	cis-beta-Ocimene	0.46
18	19.747	trans-beta-Ocimene	0.21
19	20.550	gamma-Terpinene	0.08
20	21.370	cis-Sabinene hydrate	0.28
21	21.380	cis-Linalool oxide (furanoid)	0.17
22	22.367	Terpinolene	0.17
23	22.452	trans-Linalool oxide (furanoid)	0.11
24	23.610	Linalool	27.71
25	23.703	Hexyl propionate+Hotrienol	0.08
26	23.880	1-Octen-3-yl acetate	0.30
27	26.746	Camphor	7.27
28	27.797	Lavandulol	0.91
29	28.433	Borneol	2.79
30	29.038	Terpinen-4-ol	4.27
31	29.359	para-Cymen-8-ol	0.04
32	29.714	Hexyl butanoate	0.38
33	29.967	alpha-Terpineol	0.72
34	31.952	Nerol	0.06
35	33.199	Hexyl isovalerate	0.19
36	33.944	Linalyl acetate	35.24
37	36.020	Lavandulyl acetate	2.58
38	39.053	Hexyl tiglate	0.27
39	40.951	Neryl acetate	0.15
40	42.239	Geranyl acetate	0.27
41	42.349	Daucene	0.10
42	42.666	beta-Bourbonene	0.07
43	42.910	7-epi-Sesquithujene	0.09
44	43.864	Sesquithujene	0.09
45	44.701	Lavandulyl isobutanoate	0.09
46	44.905	alpha-Santalene	0.15
47	44.978	beta-Caryophyllene	1.60
48	45.793	trans-alpha-Bergamotene	0.16
49	46.263	cis-beta-Farnesene	0.07
50	47.043	trans-beta-Farnesene	1.43
51	47.208	alpha-Humulene	0.06
52	47.337	Neryl propanoate	0.13
53	48.223	Dauca-5,8-diene	0.07
54	48.800	Germacrene D	0.69
55	50.064	Ent-lavandulyl isovalerate	0.50
56	50.215	trans-trans-alpha-Farnesene	0.12
57	50.428	beta-Bisabolene	0.17
58	50.738	gamma-Cadinene	0.22
59	51.392	beta-Sesquiphellandrene	0.16
60	54.827	Caryophyllene oxide	0.16
61	58.260	epi-alpha-Cadinol	0.14
62	60.710	alpha-Bisabolol	0.46
			100.00