



Laboratory Test Report

SAMPLE NAME : Evening Primrose
CLIENT NAME : Plant Therapy
CLIENT LOT # : EB0118R
APRC LOT# : PT240315B

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thicknes
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 Evening Primerose sample meets the standard chemical profile of *Oenothera biennis* oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

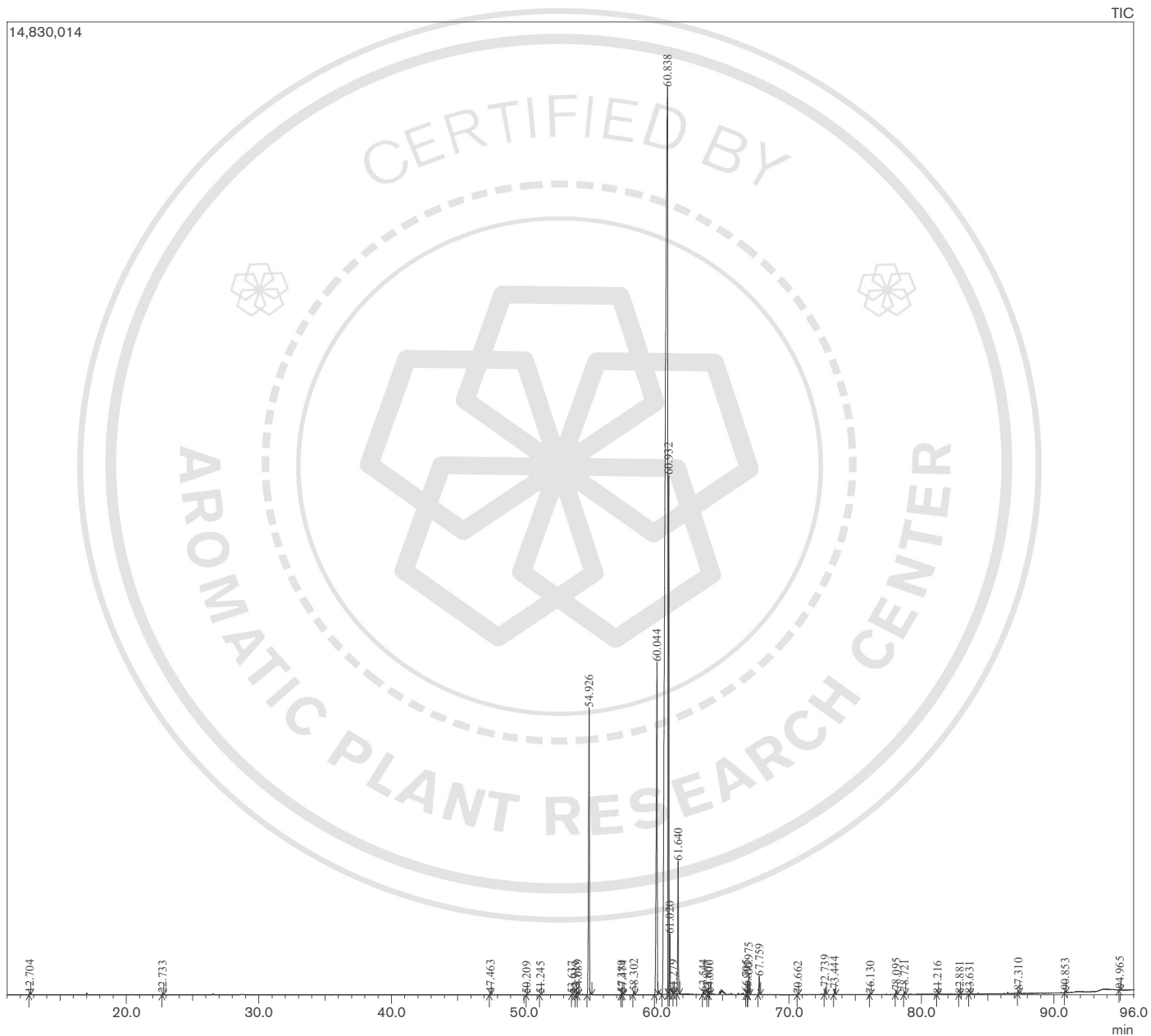
Issued Date : 3/16/2024

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 3/16/2024 7:10:51 AM
Sample Type : Oil
Sample Name : Evening Primrose
Client Name : Plant Therapy
Client Lot# : EB0118R
APRC Lot# : PT240315B
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	12.704	Methyl (2-trans)-2-hexenoate	0.03
2	22.733	trans-Methyl 2-octenoate	0.02
3	47.463	Myristic acid	0.04
4	50.209	trans-7-Hexadecenoic acid	0.01
5	51.245	Pentadecanoic acid	0.01
6	53.637	7,10-Hexadecadienoic acid	0.01
7	53.919	cis-7-Hexadecenoic acid	0.01
8	54.089	Palmitoleic acid	0.04
9	54.926	Palmitic acid	7.46
10	57.389	9,12-heptadecadienoic acid	0.04
11	57.474	cis-10-Heptadecenoic acid	0.03
12	58.302	Heptadecanoic acid	0.07
13	60.044	gamma-linolenic acid	9.92
14	60.838	Linoleic acid	67.21
15	60.932	cis-Oleic acid	9.62
16	61.020	trans-Oleic acid	1.21
17	61.279	trans-13-Octadecenoic acid	0.03
18	61.640	Stearic acid	2.75
19	63.544	Ethyl linoleic acid	0.07
20	63.867	cis-10-Nonadecenoic acid	0.02
21	64.000	trans-10-Nonadecenoic acid	0.03
22	66.795	cis-11,14-Eicosadienoic acid	0.04
23	66.895	cis-11-Eicosenoic acid	0.01
24	66.975	cis-13-Eicosenoic acid	0.41
25	67.759	Arachidic acid	0.36
26	70.662	Heneicosanoic acid	0.01
27	72.739	Erucic acid	0.14
28	73.444	Behenic acid	0.11
29	76.130	Tricosanoic acid	0.02
30	78.095	cis-15-Tetracosenoic acid	0.08
31	78.721	Lignoceric acid	0.05
32	81.216	Pentacosanoic acid	0.01
33	82.881	Nonacosane	0.01
34	83.631	Hexacosanoic acid	0.01
35	87.310	beta-Sitosterol acetate	0.06
36	90.853	3-beta-methoxy-Stigmast-5-ene	0.04
37	94.965	Stigmast-4-en-3-one	0.02
			100.00