

Laboratory Test Report

SAMPLE NAME : Tamanu Organic
CLIENT NAME : Plant Therapy
CLIENT LOT # : TE1109R
APRC LOT# : OTC220927G

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 Tamanu sample meets the standard chemical profile of Calophyllum inophyllum oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

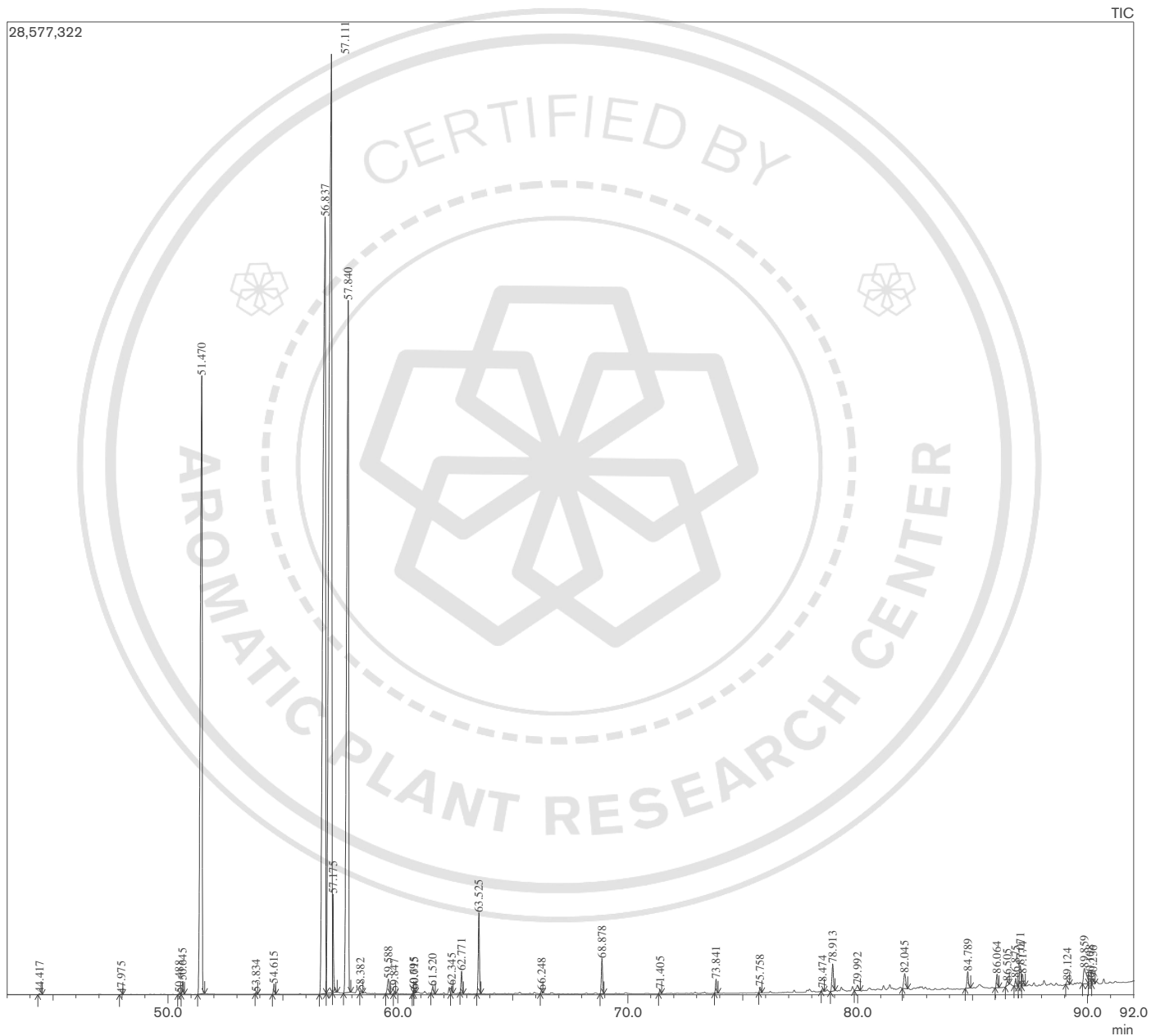
Issued Date : 9/28/2022

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 9/28/2022 6:56:44 AM
Sample Type : Oil
Sample Name : Tamanu Organic
Client Name : Plant Therapy
Client Lot# : TE1109R
APRC Lot# : OTC220927G
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	44.417	Myristic acid	0.01
2	47.975	Pentadecanoic acid	0.01
3	50.488	cis-7-Hexadecenoic acid	0.02
4	50.645	Palmitoleic acid	0.18
5	51.470	Palmitic acid	14.43
6	53.834	cis-10-Heptadecenoic acid	0.02
7	54.615	Heptadecanoic acid	0.15
8	56.837	Linoleic acid	26.38
9	57.111	cis-Oleic acid	33.62
10	57.175	trans-Oleic acid	1.07
11	57.840	Stearic acid	17.57
12	58.382	cis,cis,-9,12-Octadecadienoyl chloride	0.05
13	59.588	Ethyl linoleic acid	0.32
14	59.847	cis-10-Nonadecenoic acid	0.03
15	60.695	Nonadecanoic acid	0.03
16	60.715	Unidentified	0.05
17	61.520	Unidentified	0.12
18	62.345	Unidentified	0.10
19	62.771	cis-11-Eicosenoic acid	0.30
20	63.525	Arachidic acid	1.21
21	66.248	Heneicosanoic acid	0.04
22	68.878	Behenic acid	0.53
23	71.405	Tricosanoic acid	0.06
24	73.841	Lignoceric acid	0.21
25	75.758	trans-Squalene	0.09
26	78.474	Hexacosanoic acid	0.04
27	78.913	Unidentified	0.51
28	79.992	Unidentified	0.15
29	82.045	Unidentified	0.38
30	84.789	Unidentified	0.30
31	86.064	Unidentified	0.23
32	86.505	gamma-Sitosterol	0.09
33	86.875	Triacontanoic acid	0.12
34	87.071	Unidentified	0.40
35	87.174	Unidentified	0.21
36	89.124	Unidentified	0.10
37	89.859	Unidentified	0.58
38	90.108	Unidentified	0.16
39	90.236	Unidentified	0.12
			100.00