

## Laboratory Test Report

**SAMPLE NAME** : Camellia Seed  
**CLIENT NAME** : Plant Therapy  
**CLIENT LOT #** : CT0121R  
**APRC LOT#** : PT231010A

**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 this Camellia seed sample meets the expected chemical profile of Camellia oleifera oil .

**Analyzed by** : Dr Prabodh Satyal  
**Reviewed by** : Ambika Poudel

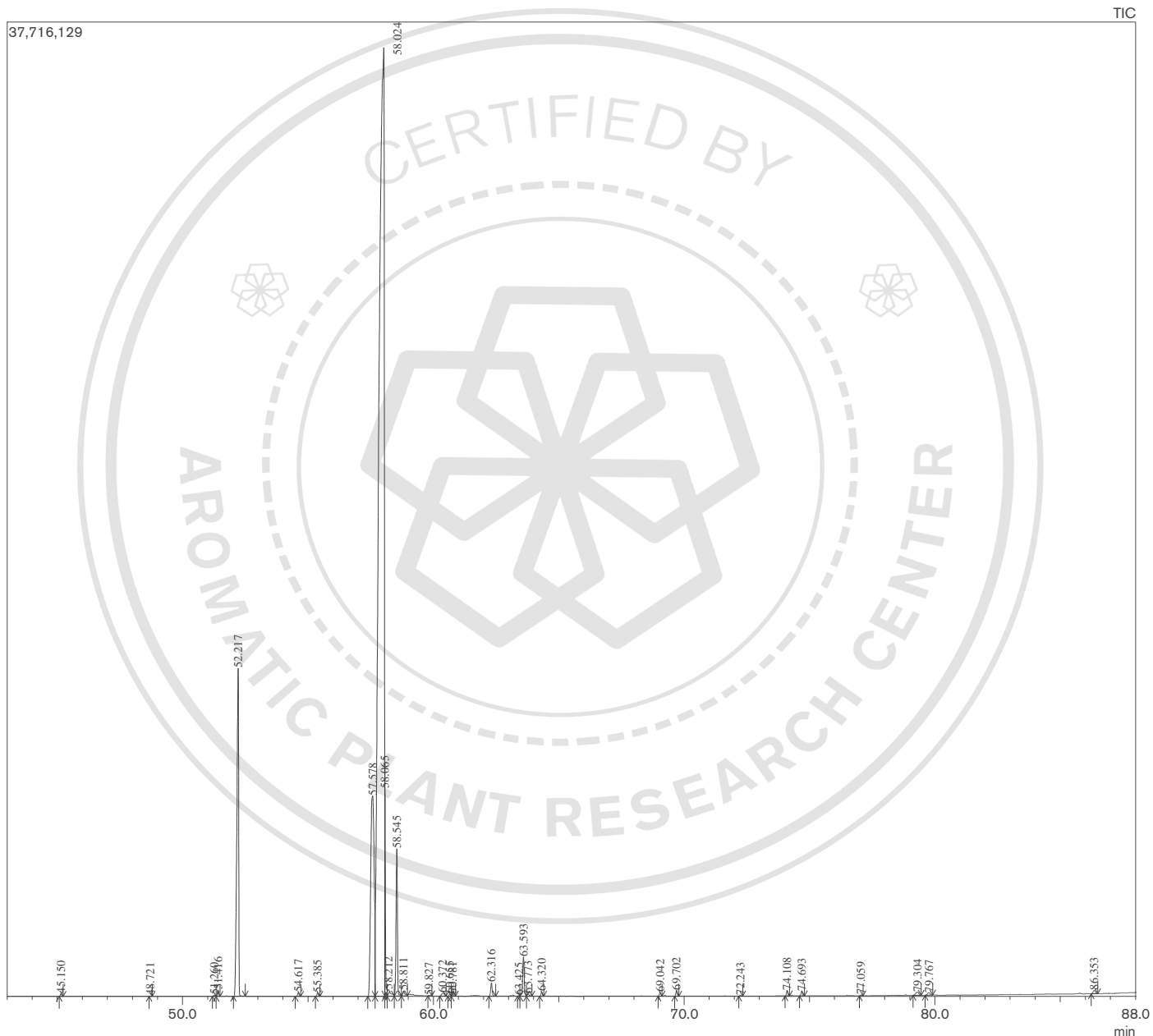
**Issued Date** : 10/11/2023

## GCMS Analysis

### Sample Information

Analyzed by : Dr. Prabodh Satyal  
Analyzed : 10/11/2023 8:13:10 AM  
Sample Type : Essential Oil  
Sample Name : Camellia Seed  
Client Name : Plant Therapy  
Client Lot# : CT0121R  
APRC Lot# : PT231010A  
Injection Volume : 0.30

### Chromatogram



## Peak Report

Peak#	R.Time	Name	Area%
1	45.150	Myristic acid	0.05
2	48.721	Pentadecanoic acid	0.01
3	51.260	cis-7-Hexadecenoic acid	0.03
4	51.416	Palmitoleic acid	0.12
5	52.217	Palmitic acid	8.75
6	54.617	cis-10-Heptadecenoic acid	0.08
7	55.385	Heptadecanoic acid	0.07
8	57.578	Linoleic acid	10.34
9	58.024	cis-Oleic acid	73.07
10	58.065	trans-Oleic acid	1.84
11	58.212	Unidentified	0.31
12	58.545	Stearic acid	2.92
13	58.811	Unidentified	0.16
14	59.827	Ethyl linoleic acid	0.01
15	60.372	9-trans,11-trans-Conjugated linoleic acid, ethyl ester	0.11
16	60.655	cis-10-Nonadecenoic acid	0.04
17	60.781	trans-10-Nonadecenoic acid	0.03
18	62.316	Unidentified	0.29
19	63.425	cis-11,14-Eicosadienoic acid	0.01
20	63.593	cis-13-Eicosenoic acid	0.84
21	63.773	cis-11-Eicosenoic acid	0.06
22	64.320	Arachidic acid	0.09
23	69.042	Erucic acid	0.07
24	69.702	Behenic acid	0.11
25	72.243	Tricosanoic acid	0.01
26	74.108	cis-15-Tetracosenoic acid	0.10
27	74.693	Lignoceric acid	0.10
28	77.059	Pentacosanoic acid	0.02
29	79.304	Unidentified	0.15
30	79.767	Unidentified	0.10
31	86.353	Unidentified	0.11
			100.00