

## Laboratory Test Report

**SAMPLE NAME** : Avocado  
**CLIENT NAME** : Plant Therapy  
**CLIENT LOT #** : AE0118R  
**APRC LOT#** : PT240227A

**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 organic Avocado sample meets the standard chemical profile of Persea americana oil.

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

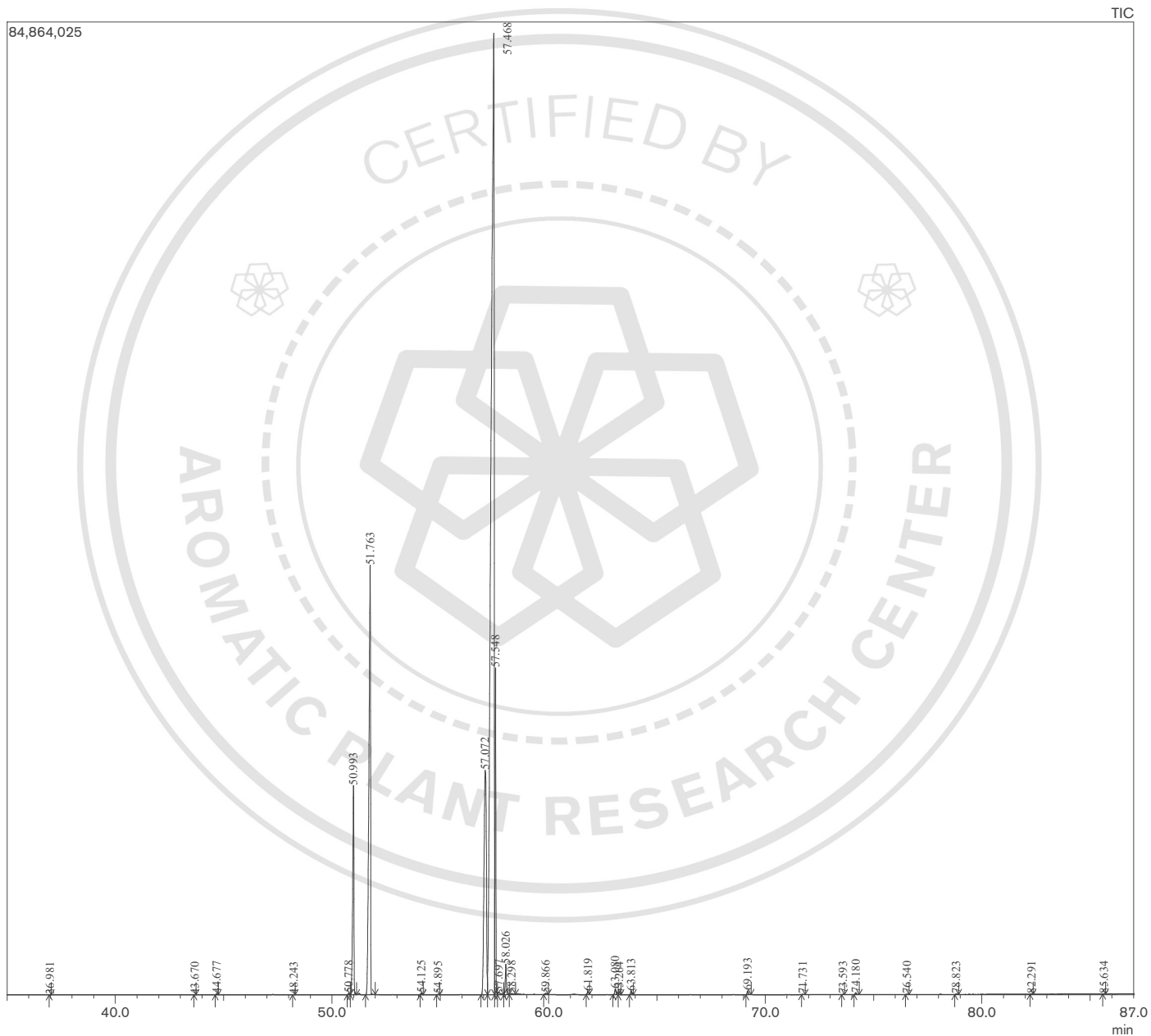
**Issued Date** : 2/28/2024

## GCMS Analysis

### Sample Information

Analyzed by : Dr. Prabodh Satyal  
Analyzed : 2/28/2024 8:27:27 PM  
Sample Type : Oil  
Sample Name : Avocado  
Client Name : Plant Therapy  
Client Lot# : AE0118R  
APRC Lot# : PT240227A  
Injection Volume : 0.30

### Chromatogram



## Peak Report

Peak#	R.Time	Name	Area%
1	36.981	Lauric acid	0.00
2	43.670	Myristoleic acid	0.00
3	44.677	Myristic acid	0.02
4	48.243	Pentadecanoic acid	0.00
5	50.778	cis-7-Hexadecenoic acid	0.04
6	50.993	Palmitoleic acid	5.23
7	51.763	Palmitic acid	14.54
8	54.125	cis-10-Heptadecenoic acid	0.04
9	54.895	Heptadecanoic acid	0.01
10	57.072	Linoleic acid	10.72
11	57.468	cis-Oleic acid	62.40
12	57.548	trans-Oleic acid	5.55
13	57.697	Unidentified	0.13
14	58.026	Stearic acid	0.69
15	58.298	Unidentified	0.05
16	59.866	Ethyl linoleic acid	0.05
17	61.819	Unidentified	0.08
18	63.080	cis-11-Eicosenoic acid	0.14
19	63.264	cis-13-Eicosenoic acid	0.01
20	63.813	Arachidic acid	0.08
21	69.193	Behenic acid	0.10
22	71.731	Tricosanoic acid	0.01
23	73.593	cis-15-Tetracosenoic acid	0.01
24	74.180	Lignoceric acid	0.05
25	76.540	Pentacosanoic acid	0.01
26	78.823	Hexacosanoic acid	0.01
27	82.291	beta-Sitosterol acetate	0.01
28	85.634	Methyl cholesterol	0.01
			100.00

