

Laboratory Test Report

SAMPLE NAME : Organic Argan
CLIENT NAME : Plant Therapy
CLIENT LOT # : AI0121R
APRC LOT# : PT231002A

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 Argan sample meets the expected chemical profile of Argania oil.

Analyzed by : Dr Prabodh Satyal

Reviewed by : Ambika Poudel

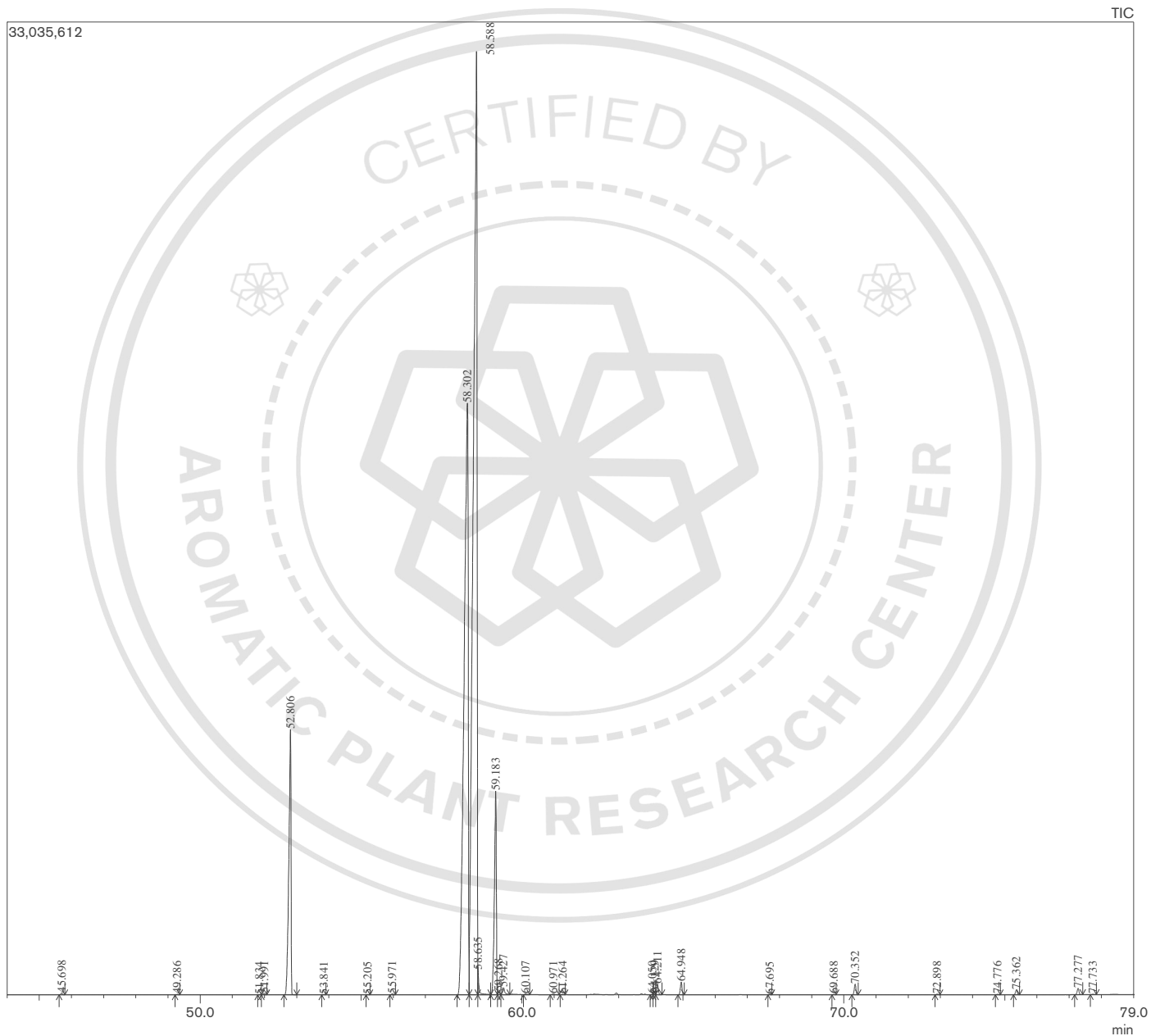
Issued Date : 10/5/2023

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 10/5/2023 5:36:26 AM
Sample Type : Oil
Sample Name : Organic Argan
Client Name : Plant Therapy
Client Lot# : AI0121R
APRC Lot# : PT231002A
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	45.698	Myristic acid	0.04
2	49.286	Pentadecanoic acid	0.01
3	51.834	cis-7-Hexadecenoic acid	0.00
4	51.991	Palmitoleic acid	0.03
5	52.806	Palmitic acid	8.12
6	53.841	n-Hexadecanoic acid	0.00
7	55.205	cis-10-Heptadecenoic acid	0.01
8	55.971	Heptadecanoic acid	0.03
9	58.302	Linoleic acid	34.16
10	58.588	cis-Oleic acid	50.11
11	58.635	trans-Oleic acid	0.37
12	59.183	Stearic acid	5.51
13	59.268	Unidentified	0.08
14	59.427	trans-13-Octadecenoic acid	0.24
15	60.107	Octadecanoic acid	0.03
16	60.971	Ethyl linoleic acid	0.03
17	61.264	cis-10-Nonadecenoic acid	0.01
18	64.050	cis-11,14-Eicosadienoic acid	0.01
19	64.129	cis-13-Eicosenoic acid	0.04
20	64.211	cis-11-Eicosenoic acid	0.27
21	64.948	Arachidic acid	0.30
22	67.695	Heneicosanoic acid	0.01
23	69.688	Erucic acid	0.01
24	70.352	Behenic acid	0.25
25	72.898	Tricosanoic acid	0.02
26	74.776	cis-15-Tetracosenoic acid	0.02
27	75.362	Lignoceric acid	0.12
28	77.277	trans-Squalene	0.16
29	77.733	Pentacosanoic acid	0.01
			100.00