



Laboratory Test Report

SAMPLE NAME : Organic Castor
CLIENT NAME : Plant Therapy
CLIENT LOT # : CZ2108R
APRC LOT# : PT231127B

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 Castor sample meets the expected chemical profile of Ricinus communis.

Analyzed by : Dr Prabodh Satyal

Reviewed by : Ambika Poudel

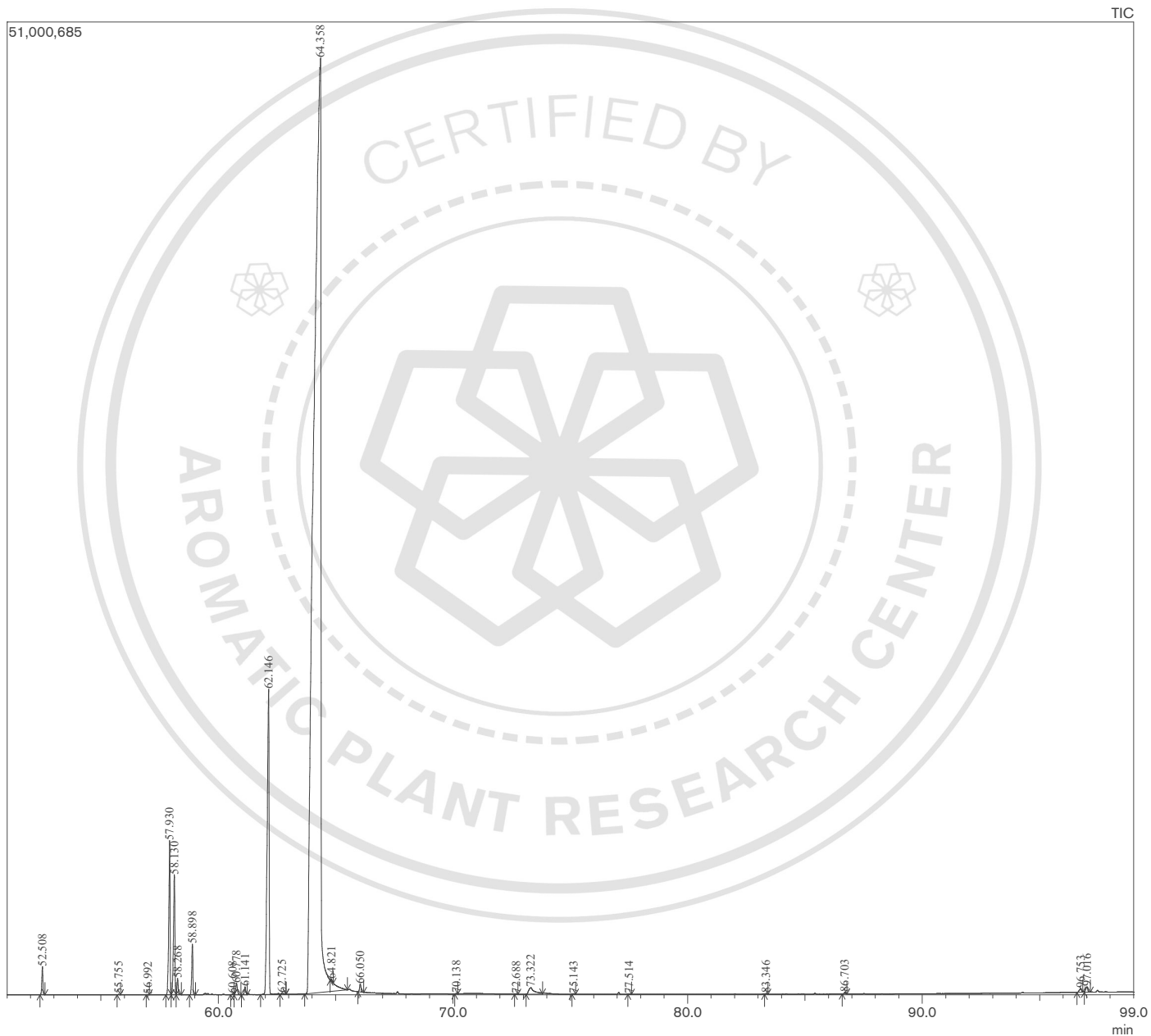
Issued Date : 11/29/2023

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 11/29/2023 8:06:58 AM
Sample Type : Oil
Sample Name : Organic Castor
Client Name : Plant Therapy
Client Lot# : CZ2108R
APRC Lot# : PT231127B
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	52.508	Palmitic acid	0.39
2	55.755	Heptadecanoic acid	0.01
3	56.992	Ricinaldic acid lactone	0.00
4	57.930	Linoleic acid	2.53
5	58.130	cis-Oleic acid	2.09
6	58.268	trans-Oleic acid	0.24
7	58.898	Stearic acid	0.72
8	60.608	Ethyl linoleic acid	0.01
9	60.778	Unidentified	0.23
10	61.141	Unidentified	0.14
11	62.146	Unidentified	7.30
12	62.725	Unidentified	0.04
13	64.358	Ricinoleic acid	85.34
14	64.821	Arachidic acid	0.03
15	66.050	Unidentified	0.14
16	70.138	Behenic acid	0.01
17	72.688	Tricosanoic acid	0.01
18	73.322	Unidentified	0.49
19	75.143	Lignoceric acid	0.01
20	77.514	Pentacosanoic acid	0.00
21	83.346	beta-Sitosterol acetate	0.01
22	86.703	3-beta-methoxy-Stigmast-5-ene	0.03
23	96.753	Unidentified	0.10
24	97.016	Unidentified	0.13
			100.00

