

Laboratory Test Report

SAMPLE NAME : Frankincense Carterii
CLIENT NAME : Plant Therapy
CLIENT LOT # : F30113R
APRC LOT# : PT240826B

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 Frankincense sample meets the standard chemical profile of *Boswellia carterii* essential oil.

Analyzed by : Dr Prabodh Satyal

Reviewed by : Ambika Poudel

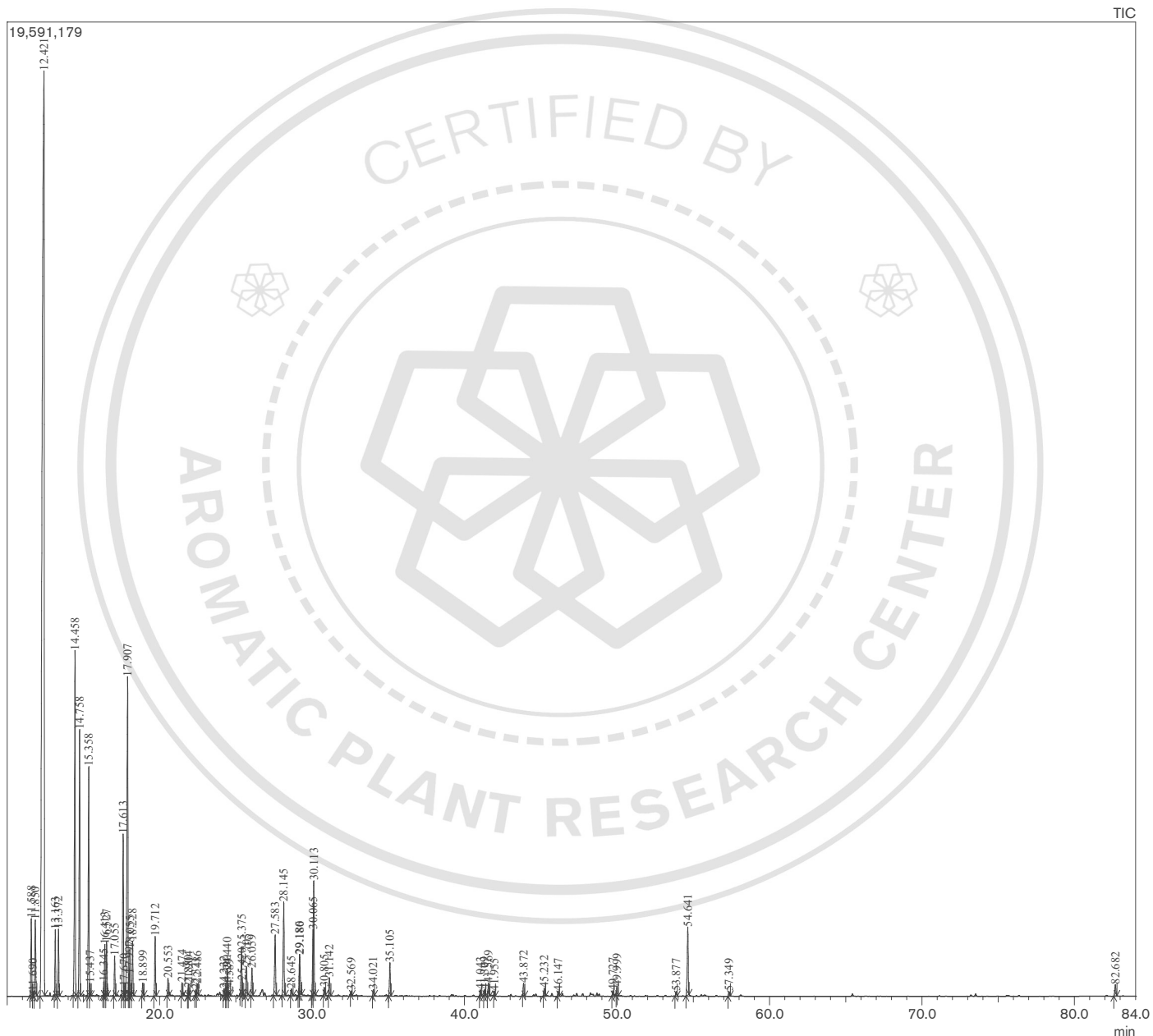
Issued Date : 8/27/2024

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 8/27/2024 3:33:36 AM
Sample Type : Essential Oil
Sample Name : Frankincense Carterii
Client Name : Plant Therapy
Client Lot# : F30113R
APRC Lot# : PT240826B
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	11.588	Hashishene	1.30
2	11.690	Tricyclene	0.07
3	11.850	alpha-Thujene	1.65
4	12.421	alpha-Pinene	44.77
5	13.163	Camphene	1.02
6	13.372	Thuja-2,4(10)-diene	1.04
7	14.458	Sabinene	7.07
8	14.758	beta-Pinene	4.92
9	15.358	Myrcene	4.22
10	15.437	Trimethyl cycloheptane	0.21
11	16.345	3-Ethenyl-1,2-dimethyl-1,4-cyclohexadiene	0.19
12	16.413	alpha-Phellandrene	0.93
13	16.527	delta-3-Carene	0.93
14	17.055	alpha-Terpinene	0.69
15	17.613	para-Cymene	3.33
16	17.670	Octyl methyl ether	0.06
17	17.907	Limonene	7.48
18	17.997	beta-Phellandrene	0.30
19	18.055	1,8-Cineole	0.75
20	18.228	cis-beta-Ocimene	0.94
21	18.899	trans-beta-Ocimene	0.23
22	19.712	gamma-Terpinene	1.07
23	20.553	n-Octanol	0.32
24	21.474	Terpinolene	0.24
25	21.880	Fencholenic aldehyde	0.05
26	21.904	para-Cymenene	0.20
27	22.371	Perillene	0.09
28	22.486	Linalool	0.21
29	24.232	Decadienol	0.14
30	24.390	allo-Ocimene	0.05
31	24.440	alpha-Campholenal	0.51
32	24.589	4,5-Epoxy-trans-carene	0.08
33	25.375	trans-Pinocarveol	1.01
34	25.420	cis-Verbenol	0.16
35	25.705	trans-Verbenol	0.59
36	26.059	alpha-Felandrene-8-ol	0.54
37	27.583	para-Mentha-1,5-dien-8-ol	1.39
38	28.145	Terpinen-4-ol	2.01
39	28.645	para-Cymen-8-ol	0.16
40	29.180	alpha-Terpineol	0.46
41	29.186	Myrtenal	0.64
42	30.065	Verbenone	0.76
43	30.113	Octyl acetate	2.34
44	30.805	trans-Carveol	0.15
45	31.142	Decyl methyl ether	0.36
46	32.569	Carvone	0.07
47	34.021	3,5-Dimethoxy toluene	0.13
48	35.105	Bornyl acetate	0.69
49	41.043	alpha-Copaene	0.13
50	41.309	Geranyl acetate	0.12
51	41.569	beta-Bourbonene	0.27
52	41.955	beta-Elemene	0.08
53	43.872	beta-Caryophyllene	0.25
54	45.232	6,9-Guaiadiene	0.16
55	46.147	alpha-Humulene	0.11
56	49.727	gamma-Cadinene	0.11
57	49.999	delta-Cadinene	0.20
58	53.877	Caryophyllene oxide	0.10
59	54.641	Viridiflorol	1.60
60	57.349	epi-alpha-Cadinol	0.10
61	82.682	Serratol	0.28
			100.00