

Laboratory Test Report

SAMPLE NAME : Organic Cinnamon Cassia
CLIENT NAME : Plant Therapy
CLIENT LOT # : CX0109R
APRC LOT# : PT231127A

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 Cassia batch sample meets the expected chemical profile of pure essential oil of Cinnamomum cassia.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

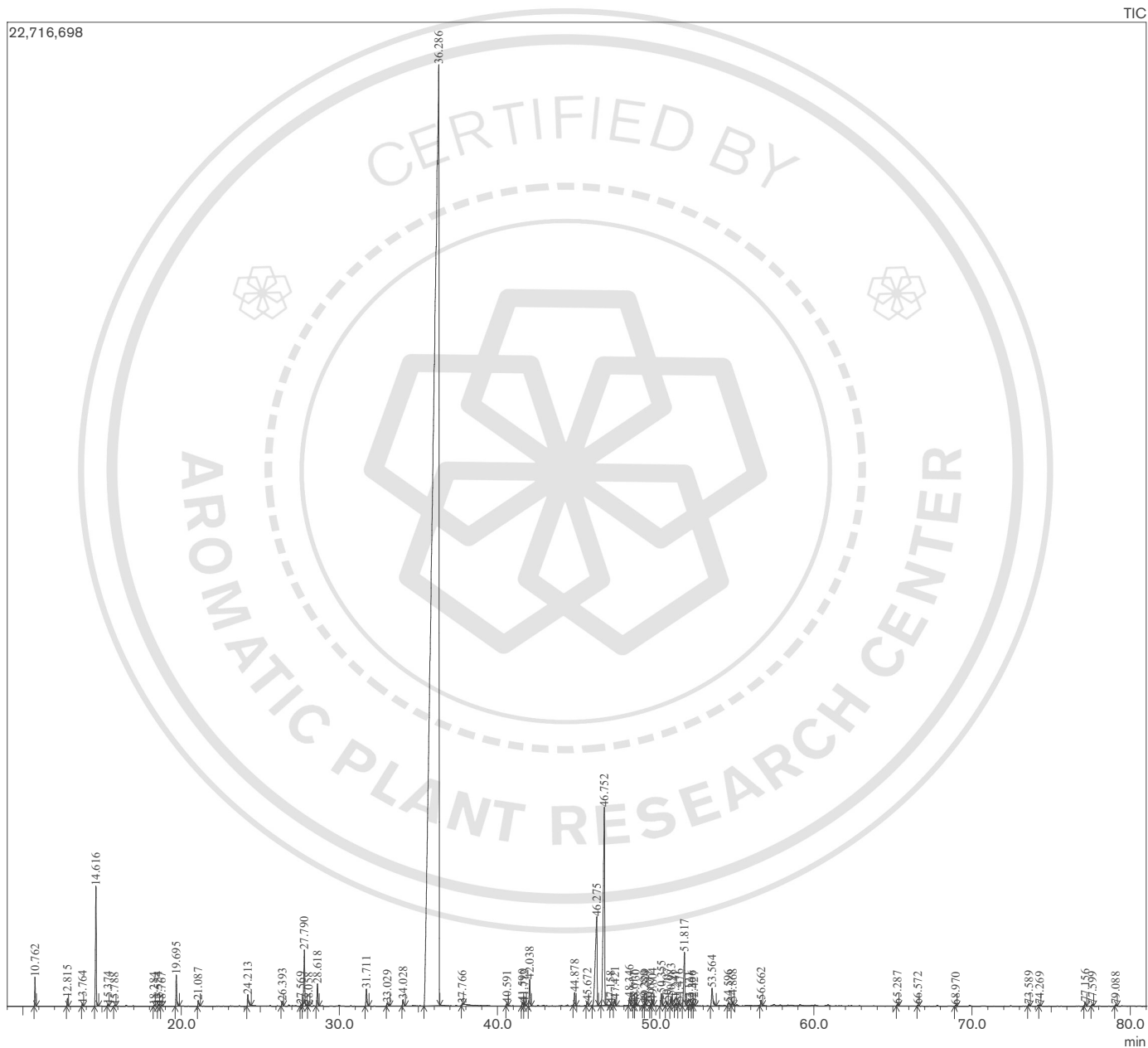
Issued Date : 11/28/2023

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 11/28/2023 3:36:07 AM
Sample Type : Essential Oil
Sample Name : Organic Cinnamon Cassia
Client Name : Plant Therapy
Client Lot# : CX0109R
APRC Lot# : PT231127A
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	10.762	Styrene	0.27
2	12.815	alpha-Pinene	0.08
3	13.764	Camphene	0.03
4	14.616	Benzaldehyde	1.42
5	15.374	beta-Pinene	0.02
6	15.788	6-Methyl-5-hepten-2-one	0.01
7	18.284	para-Cymene	0.01
8	18.554	Limonene	0.02
9	18.767	1,8-Cineole	0.01
10	19.695	Salicylaldehyde	0.37
11	21.087	Acetophenone	0.07
12	24.213	Phenyl ethyl alcohol	0.18
13	26.393	3-Methyl benzofuran	0.07
14	27.569	2-Hydroxy acetophenone	0.02
15	27.790	Benzenepropanal	0.79
16	28.058	Pyruvophenone	0.01
17	28.618	2-Methyl benzofuran	0.29
18	31.711	cis-Cinnamaldehyde	0.26
19	33.029	ortho-Anisaldehyde	0.05
20	34.028	2-Phenyl ethyl acetate	0.10
21	36.286	trans-Cinnamaldehyde	86.24
22	37.766	trans-Cinnamyl alcohol	0.02
23	40.591	Eugenol	0.03
24	41.590	alpha-Ylangene	0.06
25	41.712	alpha-Hydroxy cinnamic acid	0.05
26	42.038	alpha-Copaene	0.38
27	44.878	beta-Caryophyllene	0.19
28	45.672	trans-alpha-Bergamotene	0.06
29	46.275	Coumarin	2.37
30	46.752	trans-Cinnamyl acetate	3.98
31	47.158	alpha-Humulene	0.01
32	47.421	allo-Aromadendrene	0.10
33	48.346	trans-Cadina-1(6),4-diene	0.11
34	48.611	alpha-Amorphene	0.01
35	48.730	ar-Curcumene	0.04
36	49.280	beta-Selinene	0.02
37	49.329	Viridiflorene	0.05
38	49.677	Valencene	0.01
39	49.804	alpha-Murolene	0.06
40	50.355	beta-Bisabolene	0.17
41	50.707	gamma-Cadinene	0.07
42	50.983	delta-Cadinene	0.13
43	51.241	trans-Calamenene	0.02
44	51.476	trans-gamma-Bisabolene	0.05
45	51.817	trans-ortho-Methoxy cinnamaldehyde	0.86
46	52.121	alpha-Cadinene	0.01
47	52.306	trans-alpha-Bisabolene	0.02
48	52.427	alpha-Calacorene	0.02
49	53.564	trans-Nerolidol	0.34
50	54.596	Spathulenol	0.08
51	54.868	Caryophyllene oxide	0.07
52	56.662	Tetradecanal	0.08
53	65.287	Benzyl benzoate	0.03
54	66.572	cis-9-Hexadecenal	0.01
55	68.970	Phytone	0.02
56	73.589	Ent-rosa-5,15-diene	0.03
57	74.269	Pimaradiene+ iso-Phytol	0.02
58	77.156	13-epi-Dolabradiene	0.06
59	77.599	13-epi-Manool oxide	0.03
60	79.088	beta-Kaurene	0.02
			100.00