

Laboratory Test Report

SAMPLE NAME : Cinnamon Bark
CLIENT NAME : Plant Therapy
CLIENT LOT # : CC0112R
APRC LOT# : PT250317B

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thickness)
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 Cinnamon bark sample meets the expected chemical profile of *Cinnamomum zeylanicum*.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

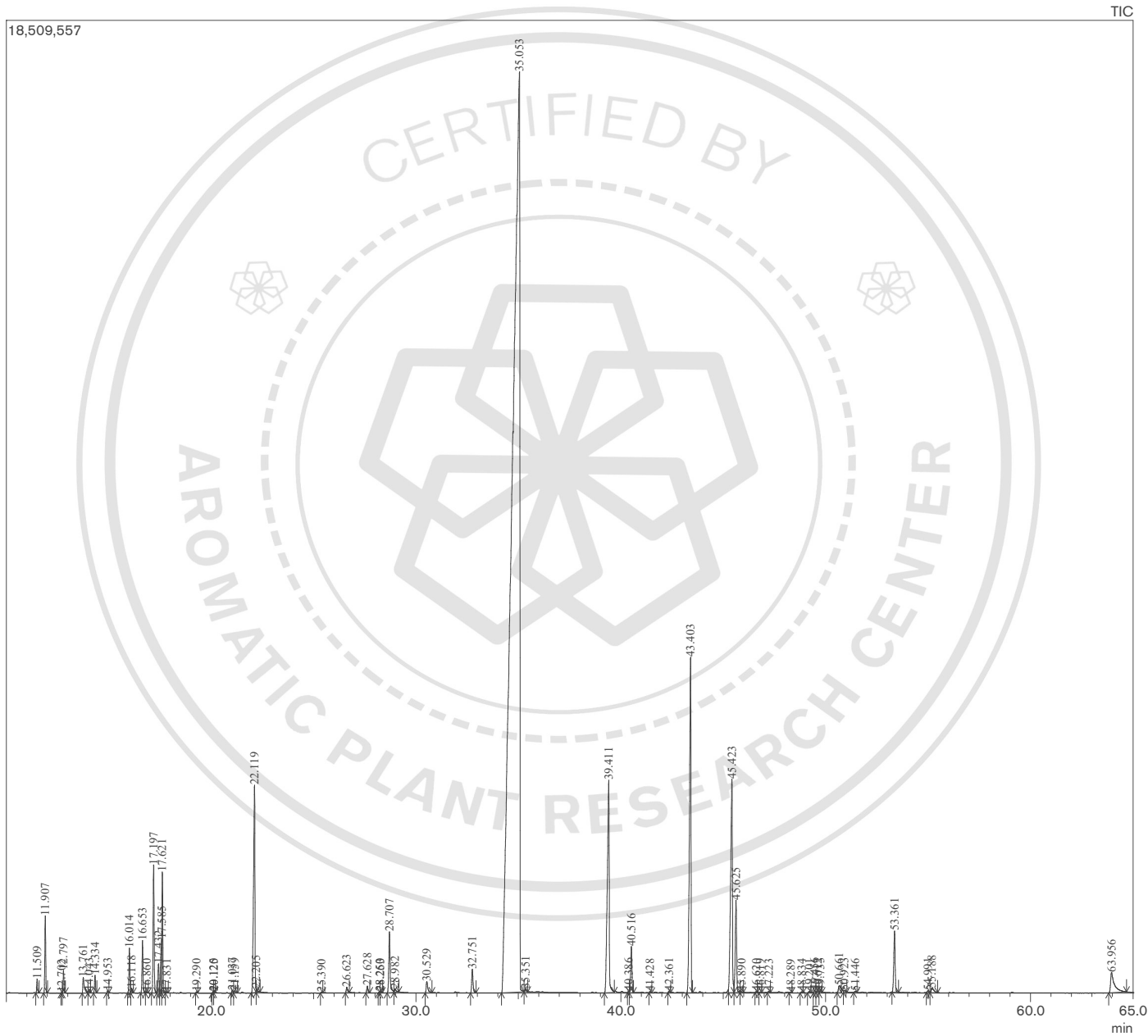
Issued Date : 3/18/2025

GCMS Analysis

Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 3/18/2025 3:22:50 AM
Sample Type : Essential Oil
Sample Name : Cinnamon Bark
Client Name : Plant Therapy
Client Lot# : CC0112R
APRC Lot# : PT250317B
Injection Volume : 0.30

Chromatogram



Peak Report

Peak#	R.Time	Name	Area%
1	11.509	alpha-Thujene	0.12
2	11.907	alpha-Pinene	0.68
3	12.702	alpha-Fenchene	0.01
4	12.797	Camphene	0.20
5	13.761	Benzaldehyde	0.23
6	14.043	Sabinene	0.02
7	14.334	beta-Pinene	0.17
8	14.953	Myrcene	0.02
9	16.014	alpha-Phellandrene	0.45
10	16.118	delta-3-Carene	0.05
11	16.653	alpha-Terpinene	0.54
12	16.860	meta-Cymene	0.01
13	17.197	para-Cymene	1.34
14	17.432	Limonene	0.31
15	17.585	beta-Phellandrene	0.51
16	17.621	1,8-Cineole	1.14
17	17.831	cis-beta-Ocimene	0.01
18	19.290	gamma-Terpinene	0.01
19	20.120	cis-Linalool oxide (furanoid)	0.01
20	20.125	Acetophenone	0.01
21	21.037	Terpinolene	0.03
22	21.159	trans-Linalool oxide (furanoid)	0.03
23	22.119	Linalool	2.96
24	22.205	2-Methyl butyl-2-methyl butyrate	0.05
25	25.390	Camphor	0.01
26	26.623	Benzenepropanal	0.07
27	27.628	Terpinen-4-ol	0.08
28	28.250	para-Cymen-8-ol	0.01
29	28.263	Cryptone	0.01
30	28.707	alpha-Terpineol	0.84
31	28.982	gamma-Terpineol	0.06
32	30.529	cis-Cinnamaldehyde	0.19
33	32.751	2-Phenyl ethyl acetate	0.33
34	35.053	trans-Cinnamaldehyde	72.08
35	35.351	Safole	0.04
36	39.411	Eugenol	4.13
37	40.386	Hydro cinnamyl acetate	0.02
38	40.516	alpha-Copaene	0.59
39	41.428	beta-Elemene+Benzyl pentanoate	0.01
40	42.361	cis-Caryophyllene	0.02
41	43.403	beta-Caryophyllene	5.24
42	45.423	trans-Cinnamyl acetate	3.91
43	45.625	alpha-Humulene	1.29
44	45.890	allo-Aromadendrene	0.01
45	46.620	cis-Cadina-1(6),4-diene	0.01
46	46.819	trans-Cadina-1(6),4-diene	0.01
47	47.223	ar-Curcumene	0.01
48	48.289	alpha-Murolene	0.01
49	48.834	beta-Bisabolene	0.01
50	49.201	Tridecanal+gamma-Cadinene	0.02
51	49.456	delta-Cadinene	0.03
52	49.612	Eugenol acetate	0.03
53	49.733	trans-Calamenene	0.02
54	50.661	trans-ortho-Methoxy cinnamaldehyde	0.15
55	50.923	alpha-Calacorene	0.03
56	51.446	Isocaryophyllene oxide	0.02
57	53.361	Caryophyllene oxide	0.86
58	54.991	Humulene epoxide II	0.03
59	55.188	Tetradecanal	0.12
60	63.956	Benzyl benzoate	0.79
			100.00