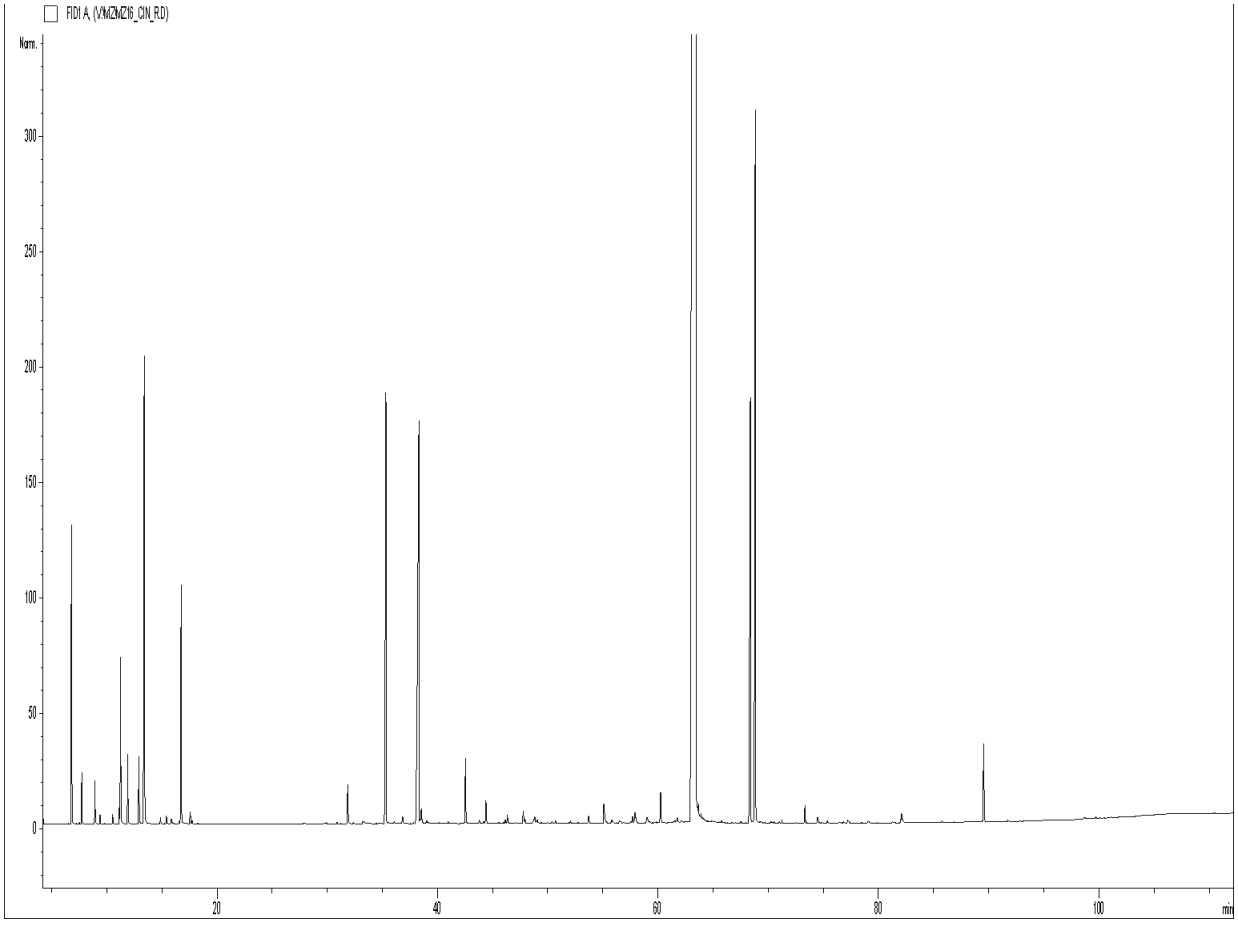
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Cinnamon Bark Essential Oil (Ceylon)
Botanical Name	Cinnamomum zeylanicum
Analysis Date	January 15, 2025

Note: This GC/MS report is a representative analysis of this product. Due to volume turnover, it is not specific to an individual lot; specific lots may vary slightly, as is the case with natural products. The lot-specific quality document for each batch is its Certificate of Analysis.

Chromatogram



Identified Compounds

Peak	RT (min)	Compound name	%
1	6.81	alpha-PINENE	1.09
2	6.84	alpha-THUYENE	0.16
3	7.74	CAMPHENE	0.22
4	8.92	beta-PINENE	0.21
5	9.38	SABINENE	0.05
6	10.53	delta3-CARENE	0.05
7	11.12	beta-MYRCENE	0.08
8	11.25	alpha-PHELLANDRENE	0.86
9	11.89	alpha-TERPINENE	0.37
10	12.90	LIMONENE	0.40
11	13.40	beta-PHELLANDRENE	2.91
12		1,8-CINEOLE	
13	14.86	cis-beta-OCIMENE	0.04
14	15.40	gamma-TERPINENE	0.05
15	15.84	trans-beta-OCIMENE	0.04
16	16.56	m-CYMENE	0.01
17	16.74	p-CYMENE	1.34
18	17.56	TERPINOLENE	0.08
19	17.73	ALIPHATIC ESTER	0.02
20	27.84	alpha,p-DIMETHYLSTYRENE	0.01
21	30.89	SESQUITERPENE	0.01
22	31.85	alpha-COPAENE	0.28
23	32.36	CAMPHOR	0.01
24	33.22	BENZALDEHYDE	0.04
25	34.66	SESQUITERPENE	0.01
26	35.32	LINALOOL	3.12
27	36.06	trans-p-MENTH-2-EN-1-OL	0.01
28	36.83	epsilon-CADINENE	0.06
29	37.80	SESQUITERPENE	0.01
30	38.31	beta-CARYOPHYLLENE	5.04
31	38.52	TERPINENE-4-OL	0.13
32	39.00	AROMADENDRENE	0.03
33	40.15	SESQUITERPENE	0.01
34	40.99	SESQUITERPENE	0.01
35	42.56	alpha-HUMULENE	0.43
36	43.81	SESQUITERPENE	0.03
37	44.21	BORNEOL	0.02
38	44.40	alpha-TERPINEOL	0.16
39	45.56	SESQUITERPENE	0.02
40	46.17	alpha-MUUROLENE	0.03
41	46.35	beta-BISABOLENE	0.06
42	47.80	delta-CADINENE	0.08
43	47.93	SESQUITERPENE	0.04
44	48.82	BENZENEPROPANAL	0.10
45		alpha-CURCUMENE	
46	49.07	trans-alpha-BISABOLENE	0.03
47	50.41	trans-SABINOL	0.02
48	50.71	2-PHENYLETHYL ACETATE	0.02
49	51.95	cis-CALAMENENE	0.01
50	52.09	trans-CALAMENENE	0.02
51	52.77	p-CYMENE-8-OL	0.01
52	53.73	SAFROLE	0.06
53	55.11	Z-CINNAMALDEHYDE	0.22
54	55.81	PHENYLETHYL ALCOHOL	0.04
55	56.52	alpha-CALACORENE	0.03
56	56.90	COMPOUND Mw=220	0.01

57	57.56	TERPENIC COMPOUND	0.01
58	57.71	BENZENE PROPANOL ACETATE	0.05
59	57.93	ALDEHYD COMPOUND	0.13
60	59.01	AROMATIC COMPOUND	0.06
61	60.25	CARYOPHYLLENE OXIDE	0.23
62	61.57	SESQUITERPENIC OXIDE	0.02
63	61.77	ISOCINNAMYL ACETATE	0.04
64	62.13	METHYLEUGENOL	0.02
65	63.44	E-CINNAMALDEHYDE	71.99
66	63.68	EPOXY-6,7-HUMULENE	0.04
67	63.92	SESQUITERPENOL	0.02
68	65.78	AROMATIC COMPOUND	0.01
69	67.52	SPATHULENOL	0.02
70	68.38	CINNAMYL ACETATE	3.08
71	68.83	EUGENOL	5.05
72	70.26	AROMATIC COMPOUND	0.02
73	71.26	AROMATIC COMPOUND	0.02
74	73.34	EUGENYL ACETATE	0.11
75	74.50	CINNAMIC ALCOHOL	0.05
76	75.38	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0.02
77	76.86	CHAVICOL	0.01
78	77.24	SESQUITERPENIC OXIDE	0.03
79	79.07	SESQUITERPENIC OXIDE	0.02
80	82.08	trans-o-METHOXY-CINNAMALDEHYDE	0.10
81	85.77	EUGENOL, METHOXY-	0.01
82	89.54	BENZYL BENZOATE	0.56
83	91.73	alpha-PHELLANDRENE DIMERE ISOMER	0.01
		TOTAL	**99.96**

Faithful copy of the GC/MS analysis report. The original document is kept in the MALIKA Essentials archives.