

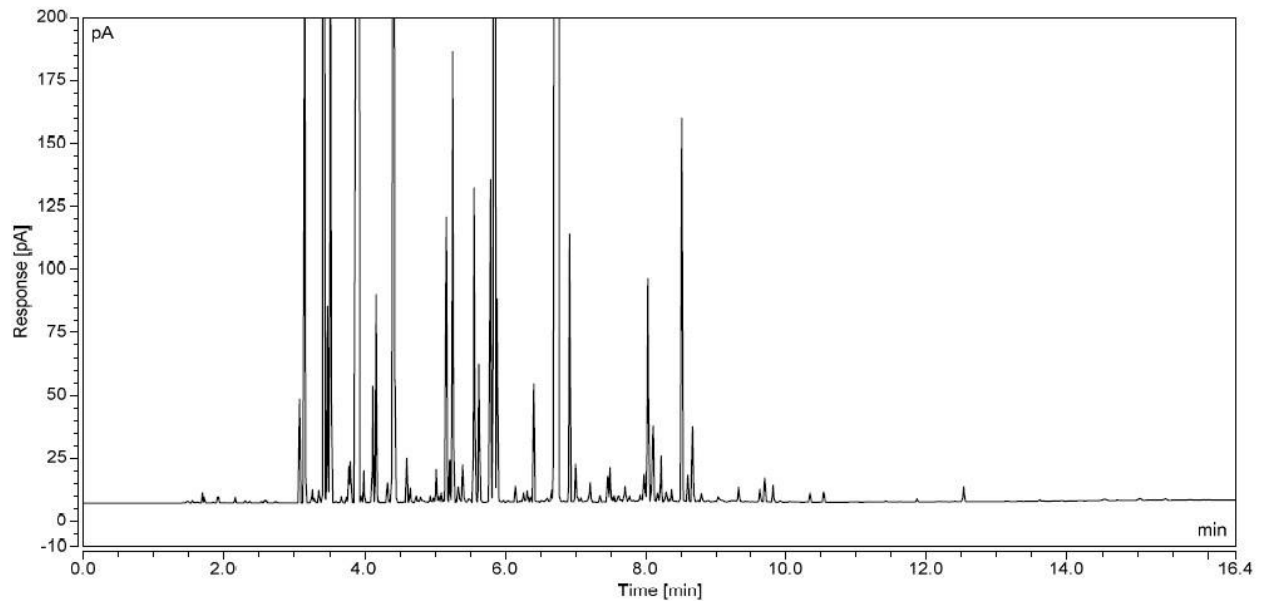
VINEVIDA

GCMS ANALYSIS REPORT

1. INJECTION DETAILS

Sample ID	16750-1020908-19506-S2
Sample Name	Cardamom Essential Oil
Column	Silicone-DB1
Carrier Gas	Hydrogen
Injection Date/Time	10/Feb/23 8:46

2. CHROMATOGRAM



3. PEAK RESULTS

No.	Retention Time (min)	Area (pA*min)	GC Area (%)	Peak Name
1	1.693	0.049	0.02	2-Methyl butanal
3	1.909	0.026	0.01	N-Hexanal
6	3.073	0.567	0.2	Alpha-thujene
7	3.147	4.463	1.55	Alpha-pinene
11	3.349	0.074	0.03	6-Methyl-5-hepten-2-one
12	3.419	11.057	3.85	Sabinene
13	3.471	1.026	0.36	Beta-pinene
14	3.515	5.869	2.04	3-Octanal + Myrcene
15	3.668	0.039	0.01	Alpha-phellandrene
17	3.773	0.24	0.08	Alpha-terpinene
18	3.797	0.318	0.11	Para-cymene
19	3.906	101.026	35.17	Limonene + 1,8-Cineole
21	3.989	0.181	0.06	Trans-beta-ocimene
22	4.116	0.705	0.25	Gamma-terpinene
23	4.163	1.228	0.43	Trans-sabinene hydrate
24	4.325	0.124	0.04	Trans-linalool oxide
25	4.414	8.362	2.91	Linalool
28	4.651	0.084	0.03	Trans-p-menth-2-en-1-ol
39	5.163	1.813	0.63	Terpinen-4-ol
41	5.255	2.878	1	Alpha-terpineol
42	5.334	0.108	0.04	Decanal (aka Aldehyde C10)
43	5.397	0.245	0.09	Octyl acetate

45	5.559	1.969	0.69	Nerol
46	5.626	0.904	0.31	Neral
47	5.791	2.293	0.8	Geraniol
48	5.851	19.277	6.71	Linalyl acetate
49	5.886	1.213	0.42	Geranial
59	6.752	107.817	37.54	Alpha-terpinyl acetate
60	6.917	1.649	0.57	Geranyl acetate
81	8.033	1.563	0.54	Beta-selinene
83	8.108	0.539	0.19	Alpha-selinene
85	8.222	0.315	0.11	Gamma-cadinene
88	8.515	2.488	0.87	Trans-nerolidol
89	8.602	0.184	0.06	Germacrene B?
98	9.697	0.159	0.06	Farnesol
		280.852	97.78	

Disclaimer & Caution

This information is provided for documentation purposes only. Please note that this report is meant to represent the general quality of essential oil and is not lot specific due to high volume turnover. Specific lots may vary slightly due to the inherent naturalness of the product.

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