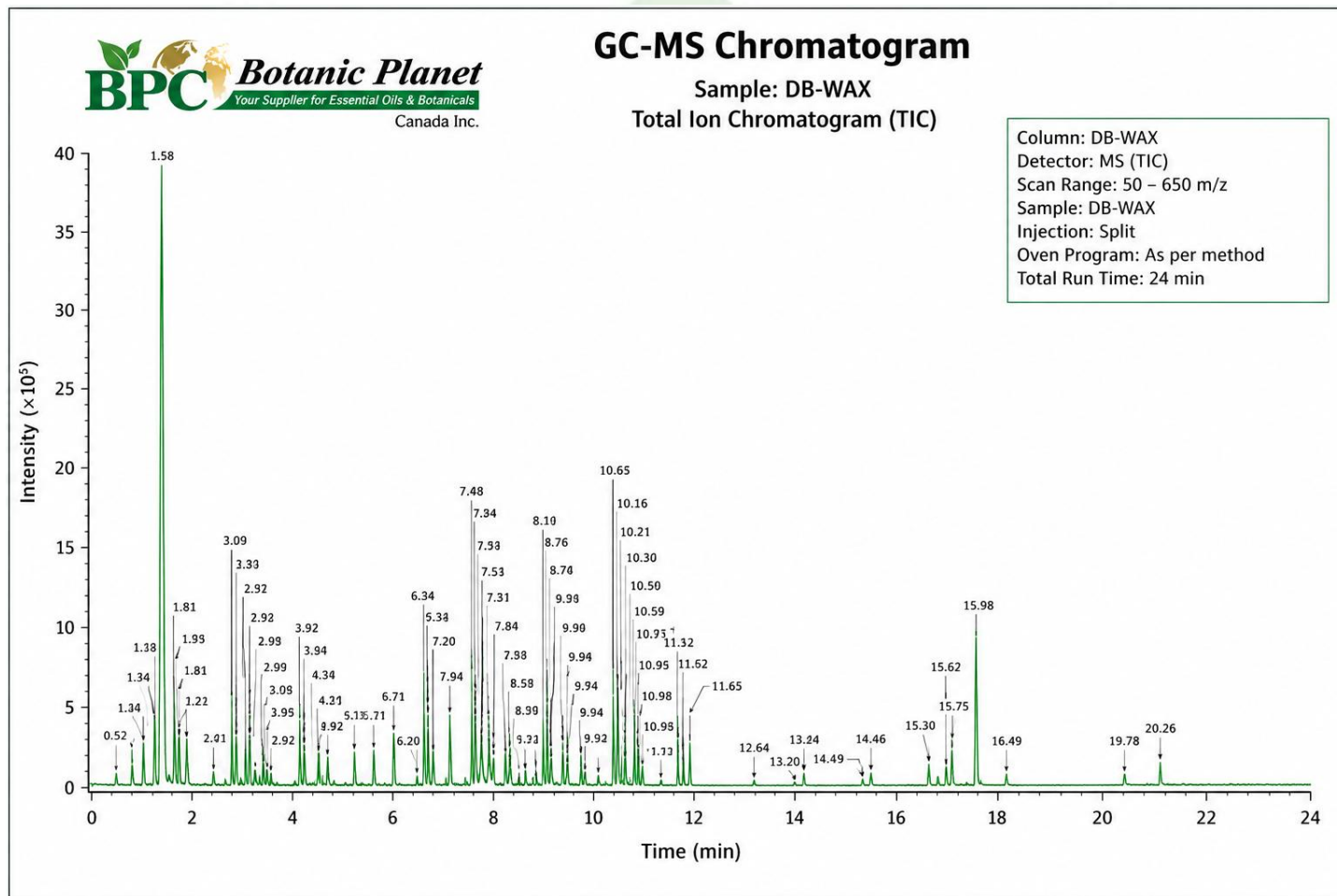


GC-MS

Product: GC-MS FRANKINCENSE ESSENTIAL OIL



Product Name: Frankincense Essential Oil – Boswellia Serrata – 11246

Botanical Name: Boswellia serrata

Product Type: Essential Oil

Analysis: Gas Chromatography–Mass Spectrometry (GC-MS)

Total Reported: 99.29%

Main Components – Highest to Lowest

Based on the GC-MS data supplied, the principal reported components are:

Rank	Compound	Percentage (%)
1	α-Phellandrene	2.51%
2	Δ3-Carene	2.22%
3	Limonene	1.52%
4	Methyl chavicol (Estragole)	1.03%

Rank	Compound	Percentage (%)
5	γ -Terpinene	0.66%
6	Terpinen-4-ol	0.49%
7	β -Pinene	0.48%
8	α -Terpinene	0.33%
9	(Z)- β -Ocimene	0.26%
10	β -Bourbonene	0.25%
11	Terpinolene	0.19%
12	Unknown BODA IV	0.16%
13	(E)- β -Ocimene	0.14%
14	Camphene	0.10%
15	δ -Cadinene	0.10%
16	Linalool	0.07%
17	Piperitone	0.06%
18	cis-Sabinene Hydrate	0.05%
19	cis-Sabinol	0.05%
20	α -Copaene	0.05%
21	Methyleugenol	0.05%
22	trans-Sabinene Hydrate	0.04%
23	cis- α -Phellandrene Epoxide	0.04%
24	(3E)-Cembrene A	0.04%
25	Serratol	0.04%

Co-Eluting / Combined Peaks Reported

The source GC-MS also reports several peaks where multiple compounds share a retention time and the percentage is given for the combined peak rather than for each individual constituent. These should not be assigned individually without additional analytical data.

RT (min)	Reported Compounds	Combined Peak (%)
1.58	Toluene / α -Thujene	69.0%
1.48	Hashishene / α -Pinene	8.16%
2.41	Thuja-2,4(10)-diene / Sabinene	4.90%
4.24	m-Cymene / p-Cymene	2.35%
3.00	3,7,7-Trimethylcyclohepta-1,3,5-triene / Myrcene	1.71%
3.41	β -Phellandrene / 1,8-Cineole	0.52%
2.51	Unknown SAOF I / 2-Carene	0.44%
6.46	p-Cymenene / β -Thujone	0.16%
9.94	trans-Sabinol / Germacrene D	0.10%
15.30	Thymol / p-Menth-5-en-1,2-diol isomer III	0.07%
10.07	Piperitone / Unknown BOSE VII	0.06%
2.58	Pseudolimonene isomer / Carvomenthene	0.05%
8.26	cis-p-Menth-2-en-1-ol / β -Ylangene	0.04%
9.92	Borneol / α -Terpineol	0.04%

RT (min) Reported Compounds**Combined Peak (%)**

8.58 β -Elemene / β -Caryophyllene / trans- α -Bergamotene 0.03%

Principal GC-MS Profile

For a concise main-components report, the most prominent individually quantified constituents are:

α -Phellandrene – 2.51%

Δ^3 -Carene – 2.22%

Limonene – 1.52%

Methylchavicol (Estragole) – 1.03%

γ -Terpinene – 0.66%

Terpinen-4-ol – 0.49%

β -Pinene – 0.48%

α -Terpinene – 0.33%

TOTAL REPORTED GC-MS COMPOSITION: 99.29%

Important: The supplied data contains unusually large co-eluting combined peaks, particularly the 69.0% peak at RT 1.58. Therefore, the bracketed percentages should remain reported as combined peak values and should not be represented as the individual percentage of α -Thujene, Toluene, α -Pinene, etc.

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