

GC/MS Report

Item	Lot 12731
Frankincense Boswellia Carterii	
<i>Boswellia carterii</i>	
Frankincense EO, Carterii	
Date	Analyst
7/9/2024	KS

Ret. Time	Component	Ret. Idx.	Conc. %
5.953	Toluene	764	0.06%
7.991	6,6-Dimethylhepta-2,4-diene	833	0.01%
11.634	Hashishene	920	0.29%
11.755	Tricyclene	922	0.11%
11.913	alpha-Thujene	925	5.08%
12.379	alpha-Pinene	933	50.23%
12.846	Thuja-2,4(10)diene isomer	942	0.07%
13.112	alpha-Fenchene	946	0.03%
13.208	Camphene	948	0.79%
13.407	Thuja-2,4(10)diene	952	0.3%
14.479	Sabinene	971	5.25%
14.781	beta-Pinene	977	5.46%
15.408	Myrcene	988	2.96%
16.460	alpha-Phellandrene	1006	1.19%
16.610	delta-3-Carene	1009	0.37%
16.784	Hexyl acetate	1011	0.03%
17.121	alpha-Terpinene	1016	0.12%
17.287	ortho-Cymene	1019	0.01%
17.602	para-Cymene	1024	2.6%
17.911	Limonene	1028	8.21%
18.003	beta-Phellandrene	1030	0.22%
18.069	1,8-Cineole	1031	0.25%
18.294	cis-beta-Ocimene	1034	0.12%
18.978	trans-beta-Ocimene	1045	0.06%
19.764	gamma-Terpinene	1057	0.78%
20.543	1-Octanol	1069	0.33%
21.575	Terpinolene	1085	0.09%
21.892	para-Cymenene	1089	0.08%
22.512	Perillene + Linalool	1099	0.23%
23.763	beta-Thujone	1117	0.07%
23.899	Myrcenol	1119	0.04%
24.367	alpha-Campholenal	1126	0.17%
25.315	trans-Pinocarveol	1140	0.39%
25.642	trans-Verbenol	1144	0.61%
25.982	alpha-Phellandrene-8-ol	1149	0.12%
26.672	trans-Pinocamphone	1159	0.05%
27.435	para-Mentha-1,5-dien-8-ol	1170	0.23%
28.065	Terpinen-4-ol	1180	0.47%
28.489	para-Cymen-8-ol	1186	0.07%
29.069	alpha-Terpineol	1194	0.66%

Ret. Time	Component	Ret. Idx.	Conc. %
29.611	alpha-Phellandrene epoxide	1202	0.04%
29.859	Verbenone	1206	0.26%
30.140	Octyl acetate	1210	4.68%
30.700	trans-Carveol	1218	0.11%
31.286	Decyl methyl ether	1227	0.25%
32.389	Carvone	1243	0.06%
33.858	3,5-Dimethoxytoluene	1264	0.03%
35.130	Bornyl acetate	1283	0.23%
39.303	alpha-Cubebene	1346	0.05%
41.183	alpha-Copaene	1375	0.23%
41.331	Geranyl acetate	1377	0.02%
41.699	beta-Bourbonene	1382	0.1%
41.850	Hexyl hexanoate	1385	0.04%
42.078	beta-Elemene	1388	0.19%
43.204	alpha-Gurjunene	1406	0.03%
43.984	beta-Caryophyllene	1418	2.68%
44.628	beta-Copaene	1429	0.02%
44.839	trans-alpha-Bergamotene	1432	0.03%
45.348	6,9-Guanidiene	1440	0.04%
45.828	cis-Murrola-3,5-diene	1448	0.02%
46.221	alpha-Humulene	1454	0.19%
46.497	Alloaromadendrene	1458	0.04%
47.250	10-beta-H-Cadina-1(6),4-diene	1471	0.02%
47.444	trans-Cadina-1(6),4-diene	1474	0.07%
47.813	Germacrene D	1480	0.06%
48.308	beta-Selinene	1487	0.09%
48.470	cis-Cadina-1(6),4-diene	1490	0.02%
48.736	alpha-Selinene	1494	0.1%
48.905	alpha-Muurolene	1497	0.04%
49.777	gamma-Cadinene	1512	0.11%
49.896	Cubebol	1514	0.07%
50.088	delta-Cadinene	1517	0.21%
53.837	Caryophyllene oxide	1580	0.2%
54.565	Viridiflorol	1592	0.06%
55.443	Humulene epoxide II	1607	0.03%
57.292	tau-Cadinol	1640	0.11%
58.010	alpha-Eudesmol	1653	0.02%
65.570	Phellandrene dimer	1792	0.03%
73.287	meta-Camphorene	1945	0.02%
73.583	Neocembrene	1951	0.03%

Ret. Time	Component	Ret. Idx.	Conc. %
82.040	Cembrenol	2132	0.01%
82.512	Incensole	2143	0.11%
82.625	Serratol	2145	0.18%
83.369	Incensole acetate	2162	0.08%

Total Identified Compounds **99.22 %**

TIC
20,151,832

