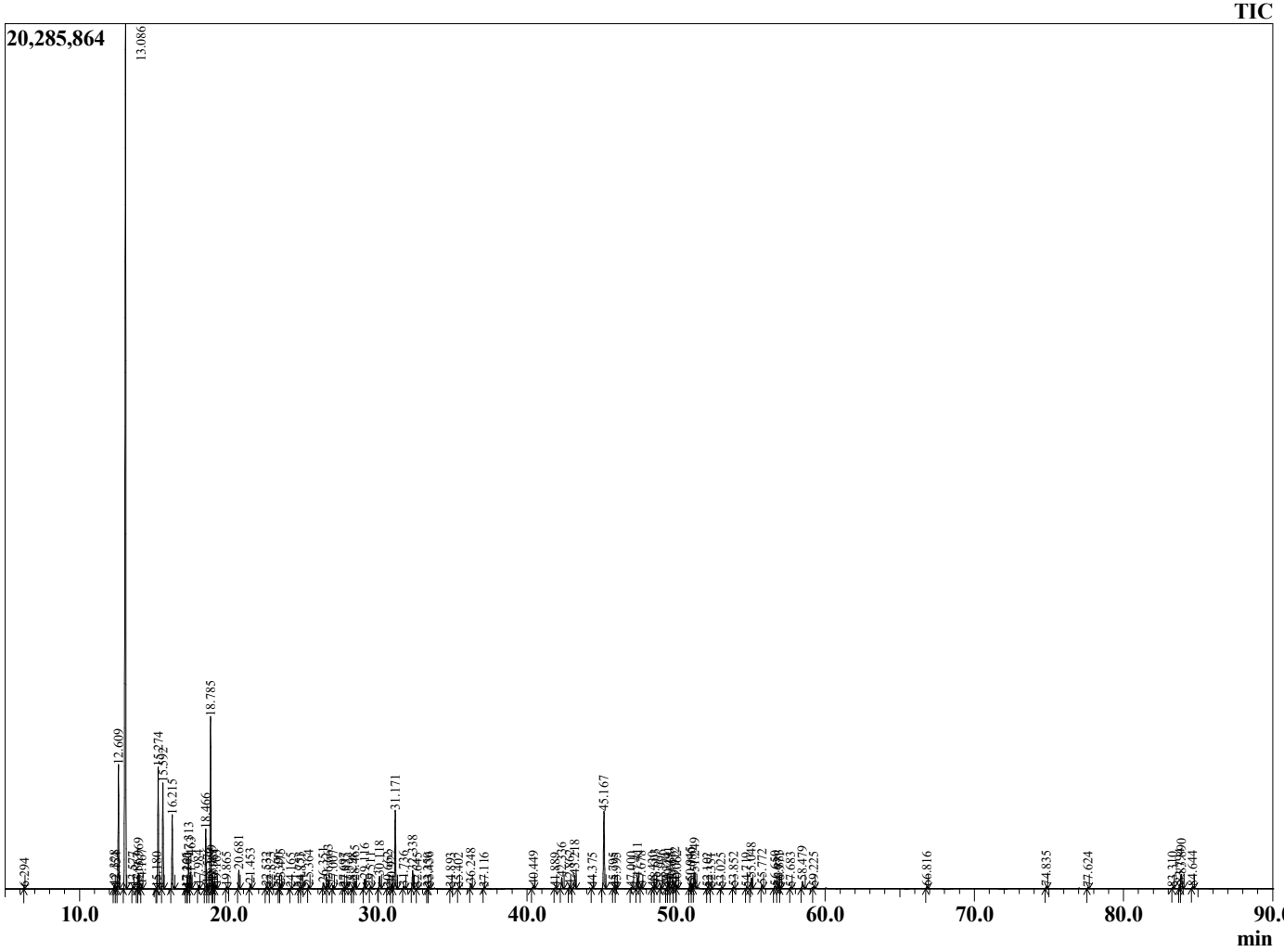
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 3/11/2021 6:44:09 PM
Sample Type : Essential Oil
Sample Name : Frankincense - carterii - Revive
Sample ID : 8937
Injection Volume : 0.10
Instrument ID: : GC-3

Chromatogram Frankincense - carterii - Revive



Comments:

The analysis of this Frankincense batch sample meets the expected chemical profile for authentic essential oil of *Boswellia carterii.* No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

Peak Report TIC

R.Time	Name	Area%
6.294	Toluene	0.04
12.328	Hashishene	0.12
12.454	Tricyclene	0.06
12.609	alpha-Thujene	4.79
13.086	alpha-Pinene	43.51
13.577	Thujadiene isomer	0.08
13.867	alpha-Fenchene	0.03
13.969	Camphene	0.60
14.167	Thuja-2,4(10)diene	0.17
15.180	Unidentified	0.04
15.274	Sabinene	5.03
15.592	beta-Pinene	4.39
16.215	Myrcene	3.10
17.166	Pseudolimonene	0.03
17.222	Unidentified	0.04
17.313	alpha-Phellandrene	1.35
17.463	delta-3-Carene	0.69
17.984	alpha-Terpinene	0.15
18.466	para-Cymene	2.53
18.576	Octyl methyl ether	0.23
18.785	Limonene	7.66
18.889	beta-Phellandrene	0.32
18.981	1,8-Cineole	0.23
19.163	cis-beta-Ocimene	0.15
19.865	trans-beta-Ocimene	0.09
20.681	gamma-Terpinene	0.84
21.453	1-Octanol	0.26
22.532	Terpinolene	0.11
22.823	para-Cymenene	0.08
23.390	Perillene	0.04
23.475	Linalool	0.21
24.165	Unidentified	0.04
24.753	beta-Thujone	0.08
24.871	Myrcenol	0.06
25.364	alpha-Campholenal	0.16
26.351	trans-Pinocarveol	0.41
26.663	trans-Verbenol	0.42
27.007	alpha-Phellandren-8-ol	0.16
27.697	Pinocamphone	0.03
27.835	Pinocarvone	0.04
28.298	Unidentified	0.05
28.465	para-Mentha-1,5-dien-8-ol	0.44
29.116	Terpinen-4-ol	0.48
29.511	para-Cymen-8-ol	0.10
30.118	alpha-Terpineol	0.73
30.662	alpha-Phellandrene epoxide	0.07
30.922	Verbenone	0.22
31.171	Octyl acetate	3.98
31.736	trans-Carveol	0.14
32.338	Decyl methyl ether	0.92
32.645	cis-Carveol	0.04
33.350	Cuminal	0.04
33.436	Carvone	0.11
34.893	Unidentified	0.05
35.402	Decanol	0.03
36.248	Bornyl acetate	0.27
37.116	Carvacrol	0.04
40.449	alpha-Cubebene	0.19
41.889	Cyclosativene	0.04
42.336	alpha-Copaene	0.60
42.862	beta-Bourbonene	0.19
43.218	beta-Elemene	0.78

R.Time	Name	Area%
44.375	alpha-Gurjunene	0.06
45.167	beta-Caryophyllene	4.33
45.795	beta-Copaene	0.03
45.995	trans-alpha-Bergamotene	0.05
47.000	trans-Murrola-3,5-diene	0.08
47.411	alpha-Humulene	0.58
47.678	Alloaromadendrene	0.13
48.430	10-beta-H-Cadina-1(6),4-diene	0.10
48.603	trans-Cadina-1(6),4-diene	0.25
48.996	Germacrene D	0.18
49.374	delta-Selinene	0.04
49.491	beta-Selinene	0.36
49.665	trans-Muurola-4(14),5-diene	0.13
49.912	alpha-Selinene	0.41
50.062	alpha-Muurolene	0.16
50.945	gamma-Cadinene	0.35
51.080	Cubebol	0.26
51.249	delta-Cadinene	0.84
52.102	trans-Cadine-1,4-diene	0.04
52.351	alpha-Cadinene	0.04
53.025	Elemol	0.05
53.852	Unidentified	0.08
54.719	Spathulenol	0.04
55.048	Caryophyllene oxide	0.62
55.772	Viridiflorol	0.21
56.650	Humulene epoxide II	0.19
56.883	10-epi-gamma-Eudesmol	0.17
56.971	1,10-di-epi-Cubenol	0.05
57.683	1-epi-Cubenol	0.06
58.479	tau-Cadinol	0.46
59.225	alpha-Eudesmol	0.11
66.816	Phellandrene dimer	0.11
74.835	Elemene dimer	0.14
77.624	Unidentified	0.06
83.310	Neocembrene A	0.06
83.794	Incensole	0.21
83.890	Serratol	0.91
84.644	Incensyl acetate	0.12
		100.00