

Sample Information

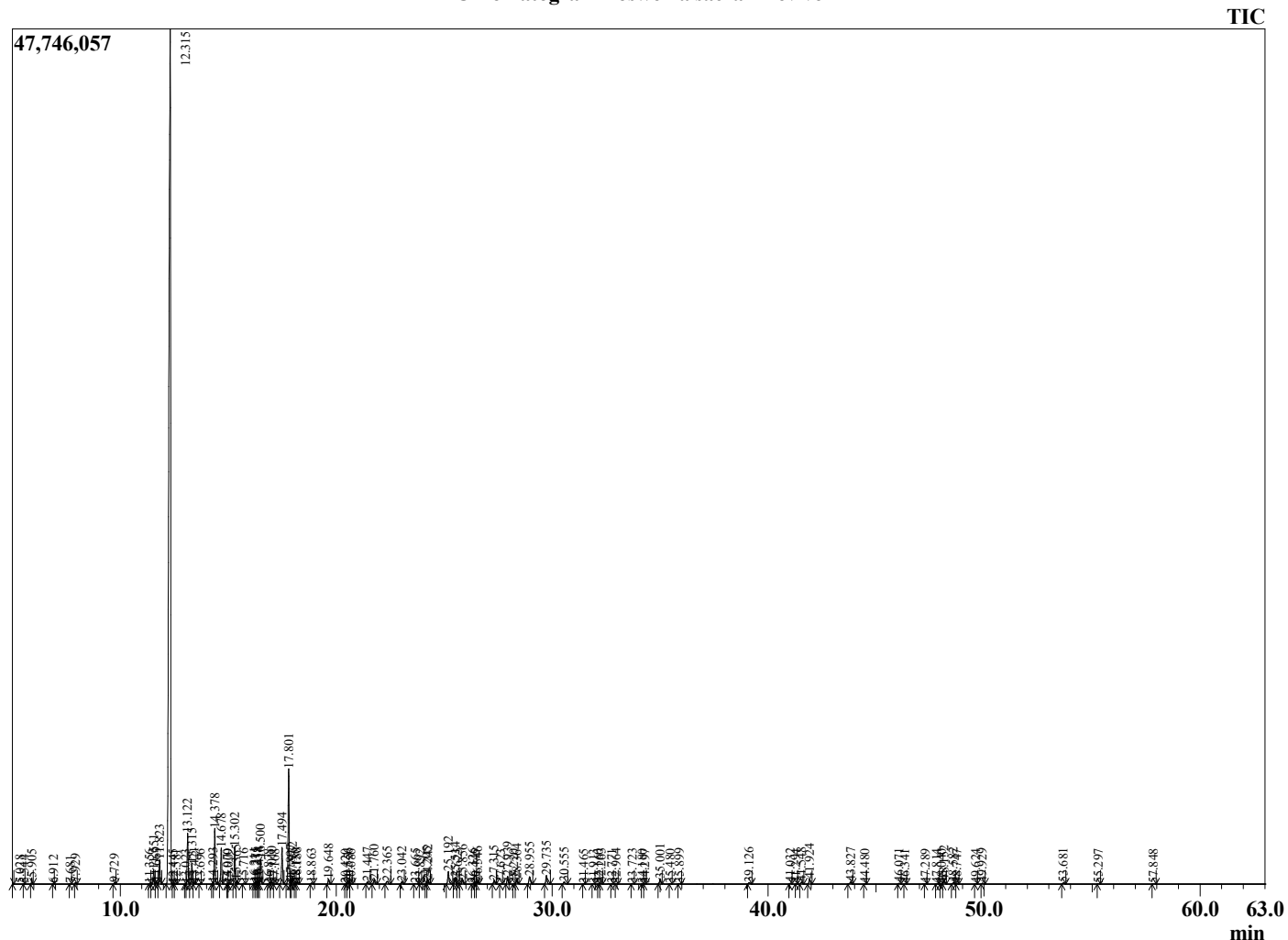
Analyzed by : Dr. Robert S. Pappas
Analyzed : 7/12/2023 9:23:56 PM
Sample Type : Essential Oil
Sample Name : Boswellia sacra - Revive
Sample ID : 2C
Injection Volume : 0.10
Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
3.608	Unidentified	0.01
5.028	Unidentified	0.01
5.544	Unidentified	0.00
5.905	Toluene	0.18
6.912	Unidentified	0.01
7.681	Unidentified	0.01
7.929	6,6-Dimethylhepta-2,4-diene	0.06
9.729	Unidentified	0.05
11.356	Unidentified	0.02
11.551	Hashishene	0.61
11.669	Tricyclene	0.09
11.823	alpha-Thujene	1.12
12.315	alpha-Pinene	70.34
12.445	Unidentified	0.02
12.581	Unidentified	0.01
13.023	alpha-Fenchene	0.01
13.122	Camphene	2.28
13.315	Thuja-2,4(10)-diene	0.93
13.421	Unidentified	0.06
13.696	Unidentified	0.01
14.293	Cymene analogue	0.05
14.378	Sabinene	2.61
14.678	beta-Pinene	1.71
14.970	Unidentified	0.01
15.009	6-Methyl hept-5-en-2-one	0.02
15.302	Myrcene	1.79
15.365	Unidentified	0.12
15.716	Unidentified	0.04
16.211	Pseudolimonene	0.07
16.275	1,2-Dimethyl-3-vinyl-1,4-cyclohexadiene	0.09
16.358	alpha-Phellandrene	0.10
16.414	2-Methyl anisole	0.13
16.500	delta-3-Carene	1.28
16.878	1,4-Cineole	0.01
17.010	alpha-Terpinene	0.12
17.168	ortho-Cymene	0.01
17.494	para-Cymene	1.86
17.801	Limonene	5.99
17.897	beta-Phellandrene	0.18
17.972	1,8-Cineole	0.34
18.130	meta-Cymene	0.04
18.188	cis-beta-Ocimene	0.11
18.863	trans-beta-Ocimene	0.06
19.648	gamma-Terpinene	0.26
20.420	trans-Sabinene hydrate	0.01
20.556	Pinol	0.06
20.686	Toluene	0.01
21.447	Terpinolene	0.13
21.760	para-Cymenene	0.26
22.365	alpha-Pinene oxide	0.24
23.042	Unidentified	0.13
23.665	Unidentified	0.06
23.892	trans-para-Mentha-2,8-dienol	0.01
24.205	Unidentified	0.08
24.242	alpha-Campholenal	0.24
25.192	trans-Pinocarveol	0.81
25.514	trans-Verbenol	0.39
25.625	Camphor	0.03
25.856	alpha-Phellandren-8-ol	0.25
26.326	Sabina ketone	0.03
26.445	Unidentified	0.01
26.546	Pinocamphone	0.14

Chromatogram Boswellia sacra - Revive



Comments:

The analysis of this Frankincense batch sample meets the expected chemical profile for authentic essential oil of *Boswellia sacra*. 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.

R.Time	Name	Area%
27.315	para-Mentha-1,5-dien-8-ol	0.21
27.623	Isopinocampnone	0.01
27.939	Terpinen-4-ol	0.45
28.220	4'-Methyl acetophenone	0.01
28.364	para-Cymen-8-ol	0.30
28.955	alpha-Terpineol + Myrtenol	0.55
29.735	Verbenone	0.54
30.555	trans-Carveol	0.15
31.465	cis-Carveol	0.02
31.913	Unidentified	0.02
32.160	Cuminal	0.01
32.263	Carvone	0.05
32.771	Unidentified	0.01
32.964	Unidentified	0.02
33.723	3,5-Dimethoxytoluene	0.04
34.180	Unidentified	0.01
34.297	Unidentified	0.01
35.001	Bornyl acetate	0.32
35.480	Unidentified	0.02
35.899	Unidentified	0.03
39.126	alpha-Terpinyl acetate	0.11
41.032	alpha-Copaene	0.05
41.294	trans-para-Menth-6-en-2,8-diol	0.01
41.548	alpha-Bourbonene	0.12
41.924	beta-Elemene	0.31
43.827	beta-Caryophyllene	0.16
44.480	beta-Copaene	0.01
46.071	alpha-Humulene	0.05
46.341	Alloaromadendrene	0.02
47.289	trans-Cadina-1(6),4-diene	0.02
47.814	Unidentified	0.02
48.040	Unidentified	0.02
48.152	beta-Selinene	0.23
48.582	alpha-Selinene	0.10
48.747	alpha-Murolene	0.02
49.624	gamma-Cadinene	0.02
49.929	delta-Cadinene	0.06
53.681	Caryophyllene oxide	0.09
55.297	Humulene epoxide II	0.02
57.848	alpha-Eudesmol	0.03
		100.00