

Sample Information

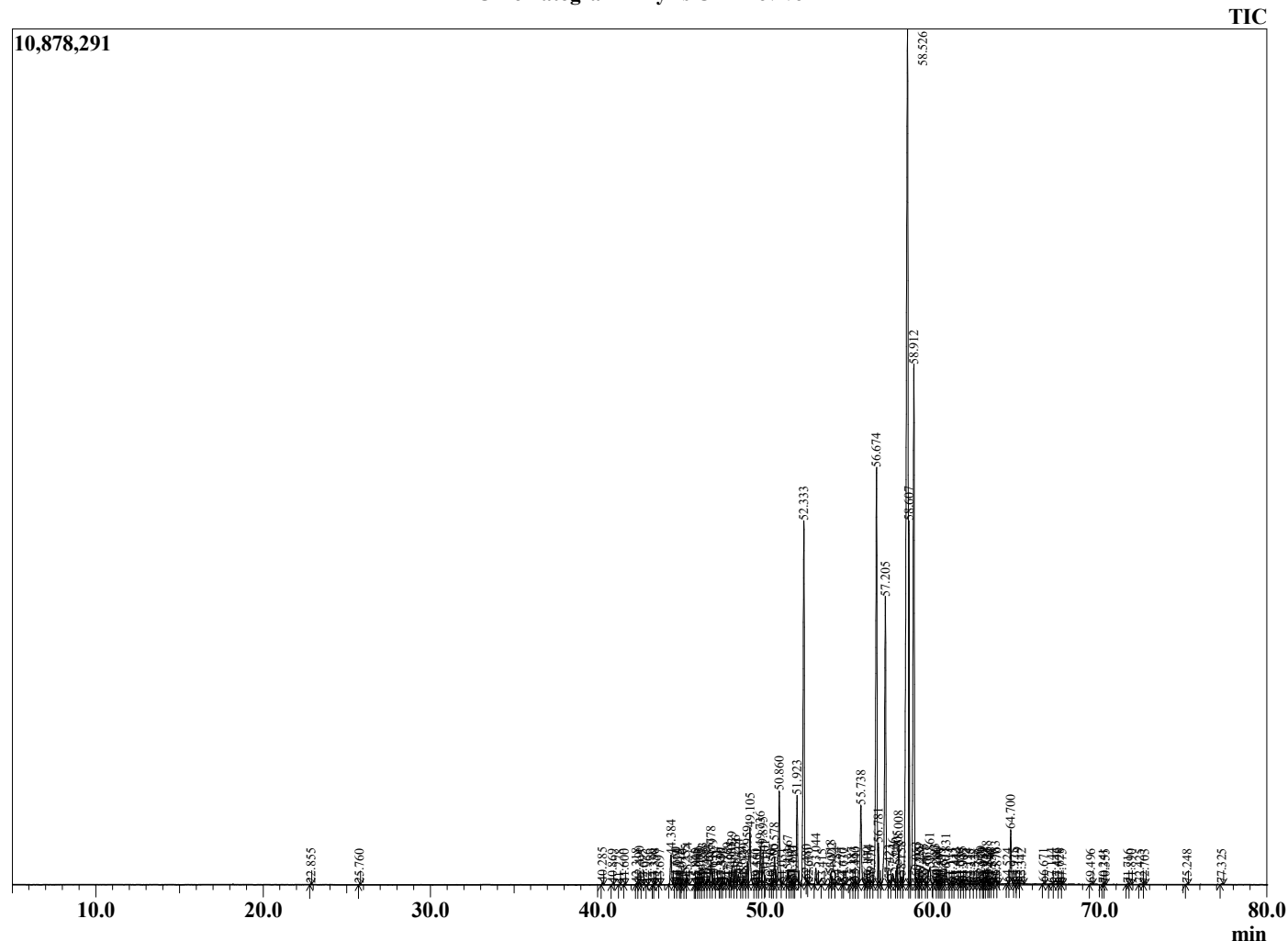
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/28/2023 10:45:50 PM
 Sample Type : Essential Oil
 Sample Name : Amyris Oil - Revive
 Sample ID : 7L
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
22.855	Linalool	0.02
25.760	Unidentified	0.01
40.285	Unidentified	0.04
40.869	Unidentified	0.01
41.278	Unidentified	0.01
41.600	alpha-Copaene	0.01
42.318	Unidentified	0.02
42.490	beta-Elemene	0.06
42.695	Unidentified	0.01
42.966	Unidentified	0.01
43.330	Unidentified	0.01
43.398	Unidentified	0.02
43.697	Elemene analogue	0.01
44.384	alpha-Santalene + beta-Caryophyllene	0.77
44.660	Unidentified	0.03
44.774	Unidentified	0.03
44.915	Unidentified	0.01
45.016	gamma-Elemene	0.01
45.255	trans-alpha-Bergamotene	0.10
45.374	Unidentified	0.15
45.845	Unidentified	0.01
45.900	Unidentified	0.03
46.065	Unidentified	0.03
46.139	epi-beta-Santalene	0.07
46.283	Amorpha-4,11-diene isomer	0.15
46.489	trans-beta-Farnesene	0.06
46.653	Unidentified + alpha-Humulene	0.17
46.778	Amorpha-4,11-diene	0.52
46.879	beta-Santalene	0.20
47.131	Unidentified	0.01
47.350	Unidentified	0.01
47.397	Unidentified	0.04
47.516	Unidentified	0.03
47.769	Selina-4,11-diene isomer	0.12
47.965	Unidentified	0.12
48.039	gamma-Curcumene	0.37
48.236	Ar-Curcumene	0.28
48.414	Selina-4,11-diene	0.24
48.624	delta-Selinene	0.06
48.739	beta-Selinene	0.12
48.959	Valencene	0.50
49.105	alpha-Zingiberene	1.48
49.460	Isodaucene	0.01
49.551	Unidentified	0.03
49.736	beta-Dihydroagarofuran	0.83
49.895	Unidentified	0.70
50.001	4-epi-cis-Dihydroagarofuran	0.26
50.350	Unidentified	0.01
50.505	Unidentified	0.07
50.578	7-epi-alpha-Selinene	0.60
50.860	beta-Sesquiphellandrene	2.08
51.031	(E)-gamma-Bisabolene	0.02
51.367	Unidentified	0.31
51.509	Unidentified	0.08
51.631	Selina-4(15),7(11)-diene	0.11
51.710	Kessane	0.04
51.923	Selina-3,7(11)-diene	1.91
52.333	alpha-Elemol	8.92
52.480	Unidentified	0.01
52.610	Unidentified	0.01
53.044	(E)-Nerolidol	0.34
53.415	Unidentified	0.00

Chromatogram Amyris Oil - Revive



Comments:

The analysis of this Amyris batch sample meets the expected chemical profile for authentic essential oil of *Amyris balsamifera*. 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%
53.918	Unidentified	0.20
54.022	Santalenone	0.14
54.284	Caryophyllene oxide	0.05
54.670	Unidentified	0.01
54.737	Unidentified	0.02
55.187	Eudesm-5-en-11-ol	0.06
55.353	beta-Eudesmol	0.08
55.440	Unidentified	0.05
55.738	5-epi-7-epi-alpha-Eudesmol	2.06
56.100	Unidentified	0.05
56.174	Unidentified	0.14
56.376	Unidentified	0.10
56.674	10-epi-gamma-Eudesmol	10.64
56.781	Guaiol	0.84
57.205	gamma-Eudesmol	7.35
57.423	Eremoligenol isomer	0.15
57.646	Unidentified	0.39
57.905	Unidentified	0.41
58.008	Unidentified	1.01
58.158	Unidentified	0.20
58.526	Valerianol	31.28
58.607	alpha-Eudesmol	4.77
58.912	7-epi-alpha-Eudesmol	13.19
59.053	Unidentified	0.19
59.225	Unidentified	0.05
59.289	Unidentified	0.17
59.476	Unidentified	0.19
59.667	Unidentified	0.06
59.861	Unidentified	0.64
60.183	epi-alpha-Bisabolol	0.19
60.260	alpha-Bisabolol	0.07
60.380	Unidentified	0.03
60.535	Unidentified	0.02
60.671	Unidentified	0.07
60.831	Unidentified	0.43
61.111	Unidentified	0.05
61.235	Unidentified	0.02
61.443	Unidentified	0.08
61.636	Unidentified	0.03
61.785	(2E,6E)-Farnesol	0.07
61.905	Unidentified	0.03
62.134	Unidentified + Unidentified	0.05
62.315	Unidentified	0.02
62.528	Unidentified	0.02
62.776	Unidentified	0.04
62.920	Unidentified	0.08
63.059	Unidentified	0.01
63.147	Unidentified	0.03
63.268	Unidentified	0.19
63.335	Unidentified	0.02
63.446	Unidentified	0.01
63.558	Unidentified	0.00
63.783	(Albicanol) Decahydro-2-methylene-5,5,8a-tr	0.18
63.870	Unidentified	0.01
64.524	Unidentified	0.02
64.700	Drimenol	1.17
64.925	Unidentified	0.02
65.119	Cryptomeridiol analogue	0.03
65.342	Unidentified	0.03
66.671	Unidentified	0.03
67.144	Cryptomeridiol	0.03
67.446	Unidentified	0.03
67.628	Unidentified	0.02

R.Time	Name	Area%
67.775	Unidentified	0.00
69.496	Unidentified	0.02
70.241	Viridiflorol	0.01
70.355	Unidentified	0.01
71.716	Unidentified	0.01
71.890	Unidentified	0.01
72.425	Unidentified	0.01
72.703	Unidentified	0.01
75.248	Unidentified	0.01
77.325	Unidentified	0.01
		100.00