

Sample Information

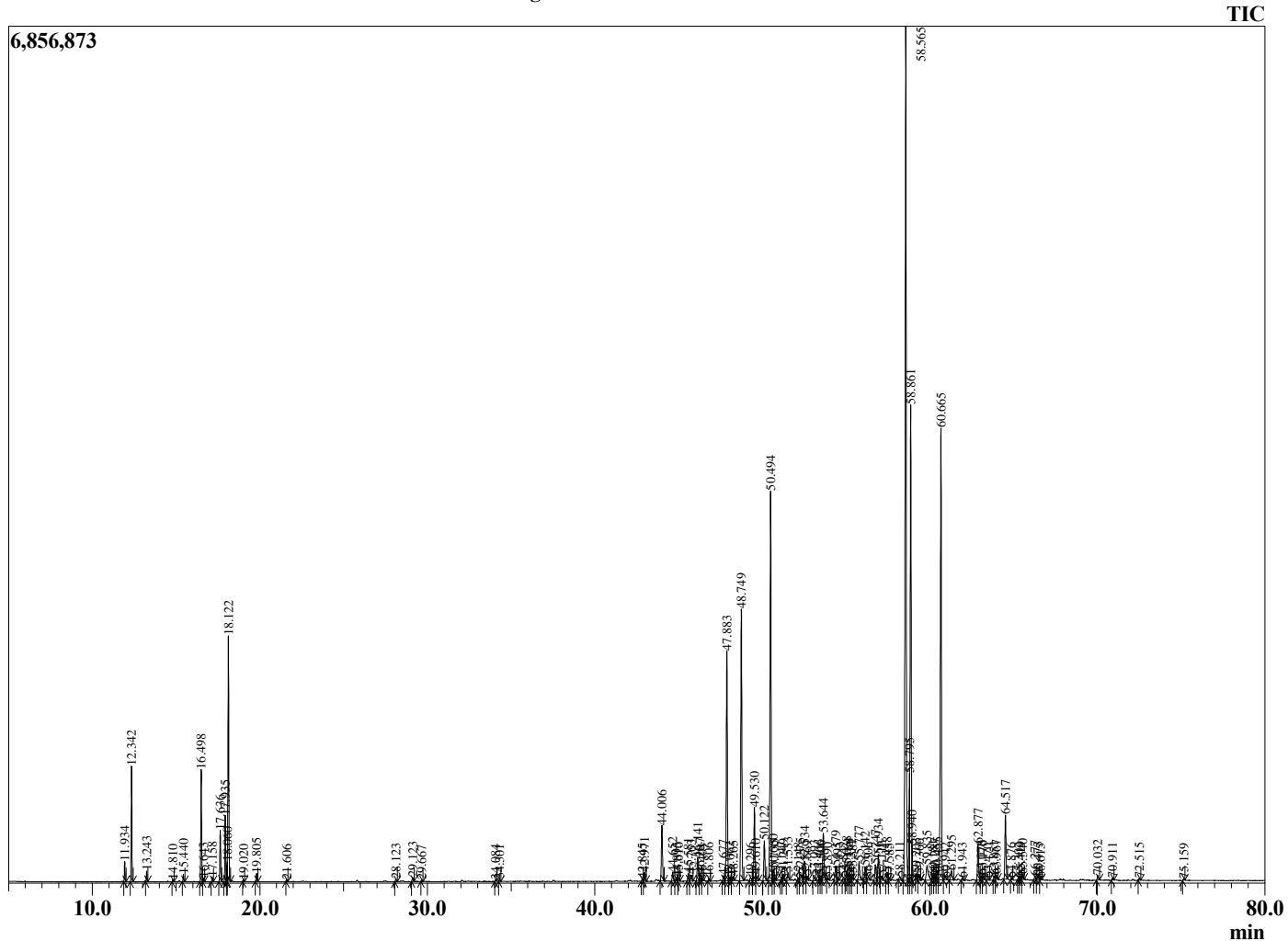
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/10/2021 9:32:30 PM
 Sample Type : Essential Oil
 Sample Name : Turmeric - Davina Wellness
 Sample ID : K0E0209C
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
11.934	alpha-Thujene	0.32
12.342	alpha-Pinene	1.83
13.243	Camphene	0.17
14.810	beta-Pinene	0.04
15.440	Myrcene	0.12
16.498	alpha-Phellandrene	2.03
16.643	delta-3-Carene	0.06
17.158	alpha-Terpinene	0.08
17.636	para-Cymene	0.99
17.935	Limonene	1.24
18.060	beta-Phellandrene	0.28
18.122	1,8-Cineole	4.71
19.020	(E)-beta-Ocimene	0.03
19.805	gamma-Terpinene	0.15
21.606	Terpinolene	0.04
28.123	Terpinen-4-ol	0.05
29.123	alpha-Terpineol	0.09
29.667	alpha-Phellandrene epoxide	0.03
34.084	Geranial	0.04
34.301	Unidentified	0.04
42.845	Unidentified	0.06
42.971	Sesquithujene isomer	0.22
44.006	alpha-Santalene	1.39
44.652	gamma-Elementene	0.22
44.895	trans-alpha-Bergamotene	0.08
45.010	Unidentified	0.09
45.581	Unidentified	0.19
45.763	epi-beta-Santalene	0.19
46.141	(E)-beta-Farnesene	0.60
46.287	alpha-Humulene	0.21
46.404	Unidentified	0.05
46.806	alpha-Acoradiene	0.07
47.677	gamma-Curcumene	0.11
47.883	Ar-Curcumene	5.47
48.062	(Z,E)-alpha-Farnesene	0.09
48.265	Unidentified	0.11
48.749	alpha-Zingiberene	6.54
49.296	Unidentified	0.10
49.530	beta-Bisabolene	1.80
49.610	Unidentified	0.17
50.122	alpha-Terensantallic acid	1.01
50.494	beta-Sesquiphellandrene	9.36
50.660	(E)-gamma-Bisabolene	0.31
50.735	Unidentified	0.10
51.147	Unidentified	0.08
51.249	Selina-4(15),7(11)-diene	0.15
51.533	Selina-3,7(11)-diene	0.23
52.148	Unidentified	0.07
52.275	Unidentified	0.27
52.534	Germacrene B	0.49
52.669	Humulene epoxide II	0.11
53.093	Unidentified	0.12
53.406	Unidentified	0.11
53.506	Unidentified	0.11
53.644	Dihydrocurcumene	1.23
53.890	Caryophyllene oxide	0.05
54.379	Unidentified	0.40
54.495	Unidentified	0.04
54.842	Unidentified	0.07
55.038	Unidentified	0.23
55.164	Unidentified	0.18
55.274	Unidentified	0.11

Chromatogram Turmeric - Davina Wellness



Comments:

The analysis of this Turmeric batch sample meets the expected chemical profile for authentic essential oil of *Curcuma longa*. 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%
55.387	Unidentified	0.15
55.777	cis-Zingiberenol	0.50
56.142	anti-syn-syn-Helifolen-12-al C	0.32
56.306	Unidentified	0.11
56.747	trans-Zingiberenol	0.45
56.934	Unidentified	0.68
57.116	Unidentified	0.11
57.458	Unidentified	0.23
57.585	Unidentified	0.05
58.211	Unidentified	0.11
58.565	Ar-tumerone	21.92
58.795	allo-Himachalol	1.67
58.861	Tumerone	11.32
58.940	beta-Bisabolol	0.92
59.203	Unidentified	0.10
59.366	(Z)-alpha-Santalal	0.13
59.835	Unidentified	0.66
60.181	Germacrone	0.12
60.287	Unidentified	0.17
60.455	Unidentified	0.20
60.665	Curlone	10.95
60.942	Unidentified	0.10
61.295	Curcuphenol	0.30
61.943	(Z)-Nuciferol	0.06
62.877	Unidentified	0.93
63.078	Unidentified	0.11
63.170	Unidentified	0.12
63.470	Unidentified	0.06
63.851	Unidentified	0.10
63.967	Unidentified	0.13
64.517	(E)-alpha-Atlantone	1.56
64.876	Unidentified	0.04
65.302	Unidentified	0.04
65.419	Unidentified	0.07
65.540	Unidentified	0.12
66.277	Unidentified	0.10
66.473	Unidentified	0.11
66.615	Unidentified	0.04
70.032	Unidentified	0.12
70.911	Unidentified	0.05
72.515	Unidentified	0.05
75.159	Unidentified	0.04
		100.00