

Sample Information

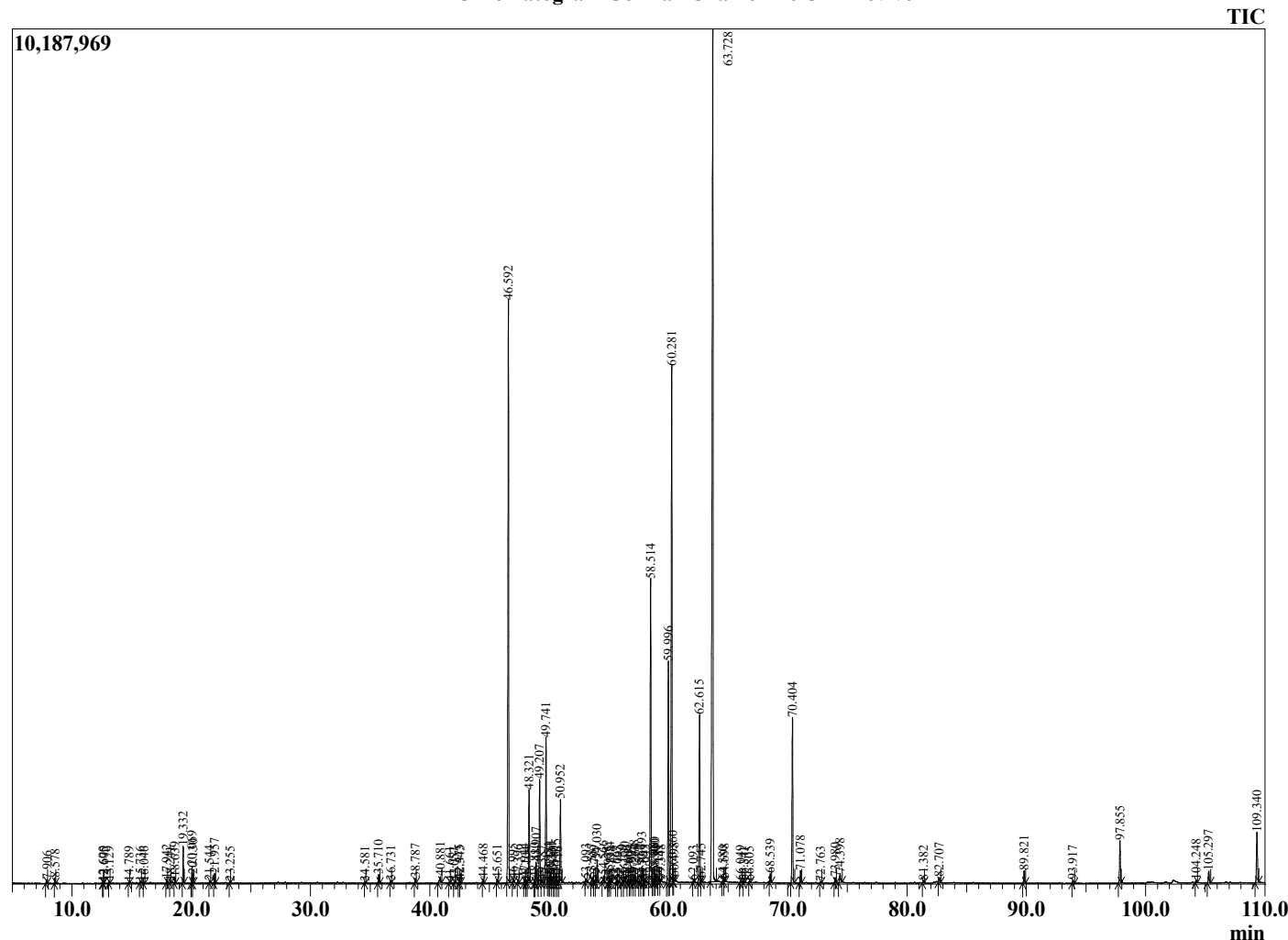
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/27/2023 11:14:38 AM
 Sample Type : Essential Oil
 Sample Name : German Chamomile Oil - Revive
 Sample ID : 2B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.240	2-Methylbutanal	0.02
7.906	3-Methylbutyric acid	0.08
8.578	Ethyl 2-methylbutyrate	0.07
12.600	alpha-Pinene	0.02
12.675	3-Methyl pentanoic acid	0.02
13.129	Propyl 2-methylbutyrate	0.04
14.789	Sabinene	0.02
15.736	Unidentified	0.05
16.046	Yomogi alcohol	0.03
17.942	para-Cymene	0.07
18.241	Limonene	0.03
18.639	cis-beta-Ocimene	0.10
19.332	trans-beta-Ocimene	0.66
20.069	Artemisia ketone	0.33
20.130	gamma-Terpinene	0.11
21.544	Artemisia alcohol	0.04
21.957	Terpinolene	0.18
23.255	Nonanal	0.03
34.581	Unidentified	0.02
35.710	(E)-Anethole	0.18
36.731	Tridecane	0.05
38.787	delta-Elemene	0.11
40.881	Decanoic acid	0.22
41.661	alpha-Copaene	0.03
42.057	Modheph-2-ene	0.02
42.475	alpha-Isocomene	0.08
42.543	beta-Elemene	0.06
44.468	beta-Caryophyllene	0.09
45.651	Aromadendrene	0.08
46.592	trans-beta-Farnesene	14.11
46.995	Alloaromadendrene	0.07
47.396	Dehydrosesquicineole	0.08
47.944	trans-Cadina-1(6),4-diene	0.10
48.104	gamma-Curcumene	0.02
48.321	Germacrene D	2.16
48.810	beta-Selinene	0.11
48.907	(Z,Z)-alpha-Farnesene	0.61
49.207	Bicyclogermacrene	2.46
49.387	alpha-Murolene	0.06
49.741	(E,E)-alpha-Farnesene	3.33
49.954	beta-Bisabolene	0.14
50.111	3,6-Dihydrochamazulene	0.24
50.261	gamma-Cadinene	0.16
50.380	Unidentified	0.03
50.575	delta-Cadinene	0.20
50.716	(2E,8E)-Matricaria ester	0.03
50.952	(2Z,8Z)-Matricaria ester	1.95
53.093	(E)-Nerolidol	0.08
53.587	Dendralasin	0.13
53.799	(2Z,8E)-Matricaria ester	0.04
54.030	Spathulenol	0.54
54.566	Globulol	0.22
54.975	Unidentified	0.02
55.074	Viridiflorol	0.14
55.198	Guaiol	0.04
55.667	Ledol	0.06
55.795	Rosifoliol	0.05
56.159	Unidentified	0.12
56.330	Unidentified	0.16
56.600	Unidentified	0.03
56.803	Unidentified	0.05
56.935	Unidentified	0.09

Chromatogram German Chamomile Oil - Revive



Comments:

The analysis of this German Chamomile batch sample meets the expected chemical profile for authentic essential oil of *Matricaria chamomilla*. 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%
57.138	Unidentified	0.19
57.254	Unidentified	0.10
57.577	Unidentified	0.05
57.793	tau-Cadinol	0.39
57.899	epi-alpha-Cadinol	0.05
58.043	Unidentified	0.05
58.514	alpha-Bisabolol oxide B	7.72
58.708	Unidentified	0.09
58.860	Unidentified	0.25
58.900	Unidentified	0.14
59.181	trans-Bisabolol-11-ol	0.05
59.348	Unidentified	0.03
59.996	alpha-Bisabolone oxide A	5.35
60.281	alpha-Bisabolol	13.73
60.360	Unidentified	0.20
60.498	Unidentified	0.08
62.093	Hernianin	0.04
62.615	Chamazulene	4.06
62.745	Unidentified	0.08
63.728	alpha-Bisabolol oxide A	28.15
64.580	Benzyl benzoate	0.04
64.698	Unidentified	0.06
66.049	Unidentified	0.05
66.341	Unidentified	0.03
66.805	Unidentified	0.03
68.539	Phytone	0.20
70.404	(Z)-Tonghaosu	4.02
71.078	(E)-Tonghaosu	0.28
72.763	Methyl palmitate	0.02
73.980	Unidentified	0.12
74.398	Palmitic acid	0.27
81.382	Phytol	0.06
82.707	Unidentified	0.14
89.821	Tricosane	0.31
93.917	Tetracosane	0.08
97.855	Pentacosane	1.08
104.248	Unidentified	0.06
105.297	Heptacosane	0.33
109.340	Unidentified	1.53
		100.00