

Sample Information

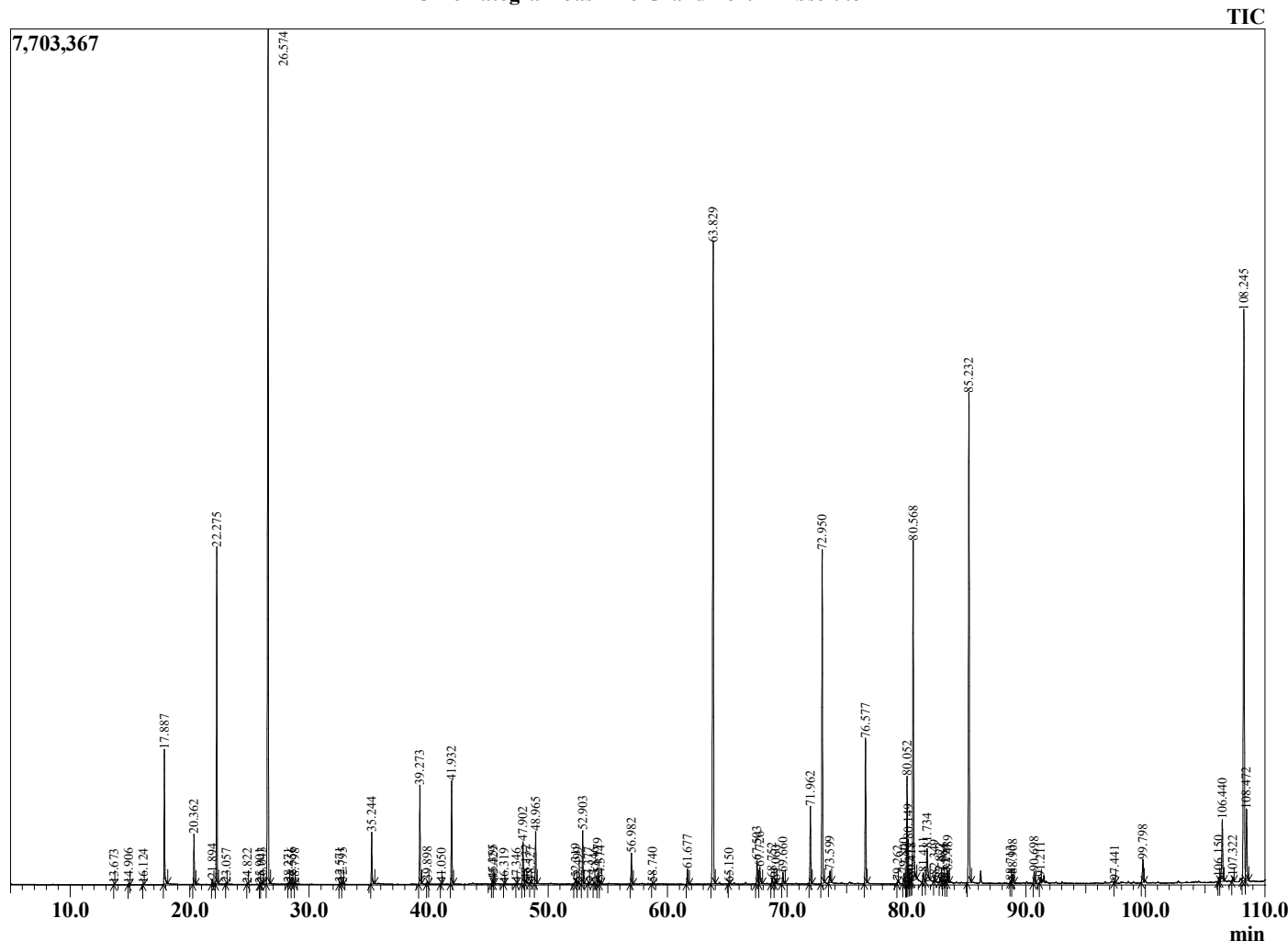
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/28/2024 12:37:49 PM
 Sample Type : Essential Oil
 Sample Name : Jasmine-Grandiflorum Absolute
 Sample ID : 3F
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
3.571	Ethyl Acetate	0.02
13.673	Benzaldehyde	0.01
14.906	6-methyl-Hept-5-en-2-one	0.01
16.124	trans-3-Hexenyl Acetate	0.01
17.887	Benzyl alcohol	1.44
20.362	para-Cresol	0.54
21.894	Methyl Benzoate	0.06
22.275	Linalool	3.85
23.057	Phenethyl alcohol	0.01
24.822	2-Methyl Benzonitrile	0.01
25.901	Unidentified	0.01
26.043	Benzoic acid	0.03
26.574	Benzyl Acetate	11.83
28.271	Creosol	0.02
28.556	Methyl salicylate	0.02
28.798	Unidentified	0.00
32.571	Chavicol	0.03
32.795	2-Phenethyl Acetate	0.02
35.244	Benzo-2,3-pyrrole	0.65
39.273	3-Allyl-6-methoxyphenol	1.19
39.898	Hydroxylinalool	0.04
41.050	Neryl acetate	0.01
41.932	cis-Jasmone	1.29
45.355	trans-Isoeugenol	0.06
45.429	trans-Geranylacetone	0.03
46.319	Unidentified	0.00
47.346	Unidentified	0.01
47.902	cis-Jamine lactone	0.61
48.132	trans,trans-alpha-Farnesene	0.05
48.527	Benzyl Tiglate	0.02
48.965	alpha-Farnesene	0.67
52.319	cis-Nerolidol	0.09
52.499	Unidentified	0.02
52.903	cis-3-Hexenyl Benzoate	0.70
53.377	Hexyl benzoate isomer	0.03
53.846	trans-2-hexenyl Benzoate	0.02
54.179	Methyl Acetoanthranilate	0.16
54.374	Unidentified	0.05
56.982	cis-Methyl Jasmonate	0.41
58.740	trans-Methyl Jasmonate	0.02
61.677	Unidentified	0.21
63.829	Benzyl benzoate	10.00
65.150	Unidentified	0.01
67.503	Neophytadiene	0.39
67.726	Phytone	0.29
68.752	Neophytadiene	0.10
69.060	Benzyl salicylate	0.05
69.660	Unidentified	0.19
71.962	Methyl Hexadecanoate	1.04
72.950	Isophytol	4.65
73.599	Hexadecanoic acid	0.21
76.577	trans,cis-Geranyl linalool	2.08
79.262	Biphenacyl	0.03
79.800	Methyl Linoleate	0.15
80.052	Methyl Linolenate	1.59
80.149	trans-Methyl 9-Octadecenoate	0.50
80.272	Tricosane	0.05
80.418	cis-Methyl 9-Octadecenoate	0.04
80.568	Phytol	5.13
81.411	Methyl stearate	0.14
81.734	(Z,Z,Z)-9,12,15-Octadecatrienoic acid	0.72
82.349	Phytol acetate	0.09

Chromatogram Jasmine-Grandiflorum Absolute



Comments:

The analysis of this Jasmine batch sample meets the expected chemical profile for authentic essential oil of *Jasminum grandiflorum*. 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%
82.822	Methyl linoleate	0.06
83.084	Ethyl linolenate	0.04
83.294	Methyl 10-Nonadecenoate	0.04
83.489	Unidentified	0.17
85.232	Phytol acetate	7.52
88.713	Unidentified	0.02
88.908	Unidentified	0.15
90.698	4,8,12,16-Tetramethylheptadecan-4-olide	0.18
91.211	Squalene isomer	0.08
97.441	Unidentified	0.02
99.798	Benzyl laureate	0.39
106.150	Unidentified	0.06
106.440	Unidentified	1.14
107.322	Phenylmethyl dodecanoate	0.07
108.245	Squalene	9.40
108.472	Unidentified	1.18
111.812	cis,cis-Geranyl linalool	0.12
112.233	2,3-Epoxy-2,3-dihydrosqualene isomer	19.50
112.597	Unidentified	0.06
112.847	Unidentified	0.17
113.389	2,3-Epoxy-2,3-dihydrosqualene isomer	0.57
113.982	Unidentified	0.04
114.311	Benzyl laureate	0.24
114.531	Unidentified	0.85
115.895	Unidentified	0.13
115.988	Unidentified	0.14
116.157	Unidentified	0.18
116.806	Unidentified	0.07
118.299	alpha-Tocopherol-beta-D-mannoside	0.10
118.456	2,3-Epoxy-2,3-dihydrosqualene isomer	0.53
118.786	Unidentified	0.19
119.443	Unidentified	0.27
121.073	Unidentified	0.28
123.727	gamma-Sitosterol	0.53
124.191	Fucosterol	0.19
124.464	Unidentified	0.03
124.849	beta-Amyrin	0.34
125.294	Unidentified	0.03
125.536	Unidentified	0.13
126.273	alpha-Amyrin	0.40
127.649	Stigmast-4-en-3-one	0.19
128.134	Unidentified	0.11
129.130	Unidentified	0.05
132.135	Unidentified	1.37
132.595	Unidentified	0.16
134.884	Unidentified	0.67
140.533	Unidentified	0.17
		100.00