



Essential Oil University

GC/MS Report

Item	Lot
Jasmine grandiflorum Absolute <i>Jasminum grandiflorum</i>	5P
Date	Analyst
6/6/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Jasmine grandiflorum Absolute, 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.



Sample Information

Company: Revive**Sample Name:** Jasmine grandiflorum Absolute**Botanical Name:** Jasminum grandiflorum**Lot Number:** 5P**Production Method:** Solvent extraction**Sample Type:** EO - Other**Country of Origin:** India**Analysis Date:** 6/6/2025**Manufacture Date:** March 2025

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra**Injection Type:** Split**Split Ratio:** 24.4**Column Type:** ZB-5**Injection Volume:** 0.1 µL**Temperature Program:** 2C/min

Physical Data

ANALYSIS

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

+2.56

1.49912

0.97245



Ret. Time	Component	Ret. Idx.	Conc. %	
2.961	Ethanol	698	0.27%	
3.060	Unidentified	700	0.01%	
3.627	Ethyl Acetate	715	0.02%	
17.995	Benzyl alcohol	1021	1.58%	IFRA
20.508	para-Cresol	1058	2.31%	IFRA
22.017	Methyl benzoate	1081	0.23%	
22.397	Linalool	1087	4.37%	IFRA
23.191	Phenethyl alcohol	1099	0.02%	
26.688	Benzyl acetate	1149	14.77%	
26.780	Benzyl acetate isomer	1151	0.05%	
28.414	Creosol	1174	0.02%	IFRA
28.702	Methyl salicylate	1178	0.02%	
32.721	Chavicol	1236	0.02%	
35.389	Indole	1275	1.92%	
39.414	Eugenol	1335	1.24%	IFRA
40.027	Unidentified	1345	0.07%	
42.077	cis-Jasmone	1376	2.91%	
45.169	Unidentified	1424	0.01%	
45.502	trans-Isoeugenol	1429	0.15%	IFRA
48.037	cis-Jasmine lactone	1470	0.9%	
48.273	Unidentified	1473	0.04%	
48.668	Benzyl tiglate	1480	0.04%	
49.111	trans,trans-alpha-Farnesene	1487	1.65%	
49.465	Unidentified	1492	0.02%	
51.669	Raspberry ketone	1529	0.02%	
52.458	trans-Nerolidol	1542	0.23%	
52.635	Unidentified	1545	0.24%	
53.043	Hex-(3Z)-enyl benzoate	1552	0.88%	
53.218	Unidentified	1555	0.04%	
53.527	Hexyl benzoate	1560	0.03%	
53.987	Unidentified	1568	0.03%	
54.351	Methyl N-acetylanthranilate	1574	0.04%	
54.513	Unidentified	1577	0.04%	
57.129	trans-Methyl jasmonate	1622	0.37%	
58.721	Unidentified	1650	0.01%	
58.893	cis-Methyl jasmonate	1653	0.02%	
61.823	Unidentified	1705	0.07%	
63.953	Benzyl benzoate	1745	9.83%	IFRA
64.538	Unidentified	1756	0.02%	
65.431	Unidentified isomer I	1772	0.05%	



Ret. Time	Component	Ret. Idx.	Conc. %	
65.735	Unidentified isomer I	1778	0.04%	
66.704	Unidentified	1796	0.03%	
67.652	Neophytadiene	1814	1.67%	
67.875	Phytone	1819	0.06%	
67.985	Unidentified	1821	0.04%	
68.903	Phytol acetate isomer	1839	0.37%	
69.218	Benzyl salicylate	1845	0.08%	IFRA
69.812	Phytol acetate isomer	1857	0.79%	
72.107	Methyl hexadecanoate	1902	0.98%	
73.100	Isophytol	1922	5.32%	
73.745	Hexadecanoic acid	1935	0.28%	
74.642	Unidentified	1954	0.02%	
75.406	Ethyl palmitate	1969	0.02%	
76.732	(E,E)-Geranyl linalool	1996	1.33%	
79.526	Unidentified	2056	0.21%	
79.950	Methyl linoleate	2065	0.11%	
80.206	Methyl linolenate	2071	2.36%	
80.433	Heneicosane	2076	0.2%	
80.566	Methyl oleate	2078	0.02%	
80.728	Phytol	2082	8.65%	
81.565	Methyl stearate	2100	0.09%	
81.853	Ethyl linolenate	2106	0.37%	
81.950	Unidentified	2108	0.11%	
82.503	Phytol acetate isomer	2121	0.02%	
82.976	Ethyl linoleate	2131	0.03%	
83.234	Unidentified	2137	0.06%	
83.648	Unidentified	2146	0.17%	
85.373	Phytol acetate	2185	3.26%	
85.789	Unidentified	2195	0.03%	
86.379	Unidentified	2208	0.18%	
89.125	Tricosane	2272	0.13%	
90.867	Unidentified	2313	0.14%	
91.387	Squalene isomer	2326	0.06%	
91.549	Unidentified isomer II	2330	0.03%	
91.691	Unidentified isomer II	2334	0.06%	
92.667	Unidentified	2357	0.03%	
99.958	Unidentified	2542	0.26%	
102.916	Palmitate isomer	2620	0.11%	
104.392	Behenyl alcohol isomer	2660	0.08%	
106.324	Unidentified isomer II	2713	0.03%	



Ret. Time	Component	Ret. Idx.	Conc. %	
106.608	Unidentified isomer II	2720	0.74%	
106.854	Unidentified	2727	0.07%	
107.147	Octacosane	2735	0.09%	
107.493	Unidentified	2744	0.05%	
108.409	Squalene	2769	6.5%	
108.630	Unidentified	2775	0.9%	
111.153	Unidentified	2844	0.06%	
112.013	Unidentified	2867	0.09%	
112.379	2,3-Epoxy-2,3-dihydrosqualene	2877	10.46%	
113.038	2,3-Epoxy-2,3-dihydrosqualene isomer	2895	0.48%	
113.210	Unidentified	2899	0.02%	
113.305	Unidentified	2902	0.05%	
113.574	Unidentified	2909	0.61%	
113.897	Unidentified	2918	0.03%	
114.488	Unidentified	2934	0.3%	
114.712	Unidentified	2940	0.85%	
116.075	Unidentified	2977	0.09%	
116.185	Unidentified	2980	0.13%	
116.333	Unidentified	2984	0.14%	
116.732	Unidentified	2995	0.03%	
117.004	Unidentified	3002	0.03%	
117.807	Unidentified	3024	0.04%	
118.507	Vitamin E	3043	0.11%	
118.635	Unidentified	3047	0.04%	
118.973	Unidentified	3056	0.15%	
119.626	Unidentified	3073	0.06%	
121.015	Unidentified	3111	0.42%	
121.264	Unidentified	3118	0.23%	
122.132	Unidentified	3141	0.02%	
122.290	Unidentified	3146	0.07%	
123.965	Unidentified	3191	0.4%	
124.438	Fucosterol	3204	0.17%	
124.718	Unidentified	3212	0.03%	
124.880	Unidentified	3216	0.03%	
125.093	beta-Amyrin acetate	3222	0.19%	
125.307	Unidentified	3228	0.06%	
125.455	Unidentified	3232	0.02%	
125.789	Unidentified	3241	0.1%	
126.543	alpha-Amyrin acetate	3261	0.25%	
126.646	Unidentified	3264	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %	
126.679	Unidentified	3265	0.01%	
126.721	Unidentified	3266	0.01%	
127.281	Unidentified	3281	0.1%	
127.942	Unidentified	3299	0.12%	
128.241	Unidentified	3307	0.04%	
128.439	Unidentified	3313	0.09%	
129.441	Unidentified	3340	0.03%	
132.394	Unidentified	3420	1.57%	
132.635	Unidentified	3426	0.09%	
132.964	Unidentified isomer III	3435	0.14%	
133.128	Unidentified isomer IV	3440	0.08%	
134.144	Unidentified isomer IV	3467	0.19%	
135.276	Unidentified isomer III	3498	0.59%	
140.922	Unidentified	3651	0.25%	
142.052	Unidentified	3682	0.23%	

Total Identified Compounds **88.55 %**

