



Essential Oil University

GC/MS Report

Item	Lot
Jasmine grandiflorum Abs <i>Jasminum grandiflorum</i>	7R
Date	Analyst
11/21/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Jasmine grandiflorum Abs, 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 Abs**Botanical Name:** Jasminum grandiflorum**Lot Number:** 7R**Production Method:** Solvent extraction**Sample Type:** EO - Other**Country of Origin:** India**Analysis Date:** 11/21/2025**Manufacture Date:** October 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

+2.80

1.49737

0.96830



Ret. Time	Component	Ret. Idx.	Conc. %	
3.048	Ethanol	503	0.17%	
3.765	Ethyl acetate	585	0.01%	
18.718	Benzyl alcohol	1030	1.51%	ALLERGEN IFRA
21.229	para-Cresol	1067	1%	IFRA
22.829	Methyl benzoate	1091	0.16%	
23.190	Linalool	1097	5.31%	ALLERGEN IFRA
24.020	Phenethyl alcohol	1109	0.03%	
26.883	Unidentified	1150	0.03%	
27.540	Benzyl acetate	1159	16.18%	
28.072	Ethyl benzoate	1167	0.01%	
29.274	Creosol	1184	0.03%	IFRA
29.578	Methyl salicylate	1189	0.04%	ALLERGEN
33.579	Chavicol	1247	0.05%	
33.850	2-Phenethyl acetate	1251	0.01%	
36.308	Indole	1287	1.43%	
40.340	Eugenol	1347	1.69%	ALLERGEN IFRA
40.961	8-Hydroxylinalool	1357	0.09%	
43.026	cis-Jasmone	1388	2.66%	
46.133	Unidentified	1437	0.03%	
46.447	trans-Isoeugenol	1442	0.2%	ALLERGEN IFRA
49.028	cis-Jasmin lactone	1483	0.44%	
49.216	cis,trans-alpha-Farnesene	1486	0.05%	
49.647	Benzyl tiglate	1493	0.05%	
50.058	trans,trans-alpha-Farnesene	1500	1.35%	
50.285	Unidentified	1504	0.03%	
50.432	Unidentified	1506	0.03%	
53.431	trans-Nerolidol	1557	0.21%	
53.609	Unidentified	1560	0.25%	
54.044	Hex-(3Z)-enyl benzoate	1567	1.1%	
54.205	Unidentified	1570	0.01%	
54.505	Hexyl benzoate	1575	0.03%	
54.979	Hex-(3E)-enyl benzoate	1583	0.02%	
55.327	Methyl N-acetylanthranilate	1588	0.15%	
55.519	Unidentified	1592	0.11%	
58.116	cis-Methyl jasmonate	1637	0.57%	
59.885	trans-epi-Methyl jasmonate	1669	0.03%	
62.786	trans-Coniferaldehyde	1721	0.05%	
62.892	Caryophyllene oxide	1723	0.29%	
63.561	Unidentified	1735	0.02%	
65.005	Benzyl benzoate	1762	15.65%	ALLERGEN IFRA



Ret. Time	Component	Ret. Idx.	Conc. %	
66.310	Unidentified	1787	0.01%	
66.421	Unidentified	1789	0.06%	
66.719	Unidentified	1794	0.04%	
67.728	Unidentified	1814	0.06%	
68.641	Neophytadiene	1832	0.39%	
68.871	Phytone	1836	0.16%	
69.892	Phytol acetate isomer	1856	0.08%	
70.263	Benzyl salicylate	1863	0.14%	ALLERGEN IFRA
70.804	Phytol acetate isomer	1874	0.22%	
73.112	Methyl palmitate	1920	1.78%	
74.104	Isophytol	1940	7.75%	
74.705	Unidentified	1953	0.07%	
74.794	Unidentified	1954	0.09%	
75.649	Unidentified	1972	0.02%	
76.416	Ethyl palmitate	1988	0.04%	
76.572	Unidentified	1991	0.02%	
77.761	(E,E)-Geranyl linalool	2016	3.16%	
80.530	Unidentified	2075	0.06%	
80.596	Unidentified	2077	0.45%	
80.986	Methyl linoleate	2085	0.26%	
81.241	Methyl linolenate	2091	2.82%	
81.305	Methyl oleate	2092	1.01%	
81.595	Unidentified	2098	0.03%	
81.736	Phytol	2101	7.16%	
82.581	Methyl stearate	2120	0.19%	
82.872	Linolenic acid isomer	2127	0.15%	
83.037	Unidentified	2130	0.12%	
83.522	Unidentified	2141	0.03%	
84.019	Ethyl linolate	2152	0.09%	
84.277	Ethyl linolenate	2158	0.12%	
84.484	Unidentified	2163	0.05%	
84.668	Unidentified	2167	0.22%	
86.405	Phytol acetate isomer	2206	7.02%	
87.448	Unidentified	2231	0.04%	
89.946	Unidentified	2289	0.04%	
90.124	Unidentified	2293	0.15%	
91.926	Unidentified	2337	0.15%	
92.429	Squalene isomer	2349	0.07%	
92.633	Unidentified	2354	0.08%	
92.758	Unidentified	2357	0.07%	

Ret. Time	Component	Ret. Idx.	Conc. %
92.943	Unidentified	2362	0.03%
94.274	Unidentified	2394	0.01%
101.055	Unidentified	2568	0.17%
104.007	Unidentified	2648	0.04%
107.441	Unidentified	2743	0.02%
107.719	Unidentified	2751	0.48%
108.598	Unidentified	2776	0.02%
109.486	Squalene	2801	4.3%
109.736	Unidentified	2809	0.5%
113.461	2,3-Epoxy-2,3-dihydrosqualene	2919	5.93%
114.103	2,3-Epoxy-2,3-dihydrosqualene isomer	2938	0.35%
114.415	Unidentified	2948	0.11%
114.642	Unidentified	2954	0.4%
115.597	Unidentified	2983	0.19%
115.811	Unidentified	2990	0.37%
117.177	Unidentified	3033	0.1%
119.609	Vitamin E	3109	0.04%
119.757	Unidentified	3114	0.08%
120.080	Unidentified	3124	0.04%
122.130	Unidentified	3190	0.07%
122.391	Unidentified	3199	0.1%
125.111	Unidentified	3287	0.15%
125.584	Unidentified	3302	0.07%
126.325	beta-Amyrin acetate isomer	3326	0.12%
127.062	Unidentified	3349	0.05%
127.847	alpha-Amyrin isomer	3375	0.14%
134.056	Phytol acetate isomer	3575	0.33%
137.197	Unidentified	3676	0.2%

Total Identified Compounds **94.39 %**



TIC
4,303,302

