



Essential Oil University

GC/MS Report

Item	Lot
Tarragon Oil, USA <i>Artemisia dracunculus</i>	6F
Date	Analyst
9/2/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Tarragon Oil, USA, meets the expected chemical profile for authentic essential oil of *Artemisia dracunculus*. 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:** Tarragon Oil, USA**Botanical Name:** Artemisia dracunculus**Lot Number:** 6F**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** USA**Analysis Date:** 9/2/2025**Manufacture Date:** July 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

+2.64

1.51337

0.93544



Ret. Time	Component	Ret. Idx.	Conc. %	
3.970	3-Methylbutanal	646	0.02%	
4.489	2-Ethylfuran	699	0.03%	
5.067	3-Methyl-1-butanol	727	0%	
6.607	Hexanal	800	0%	
7.369	Unidentified	820	0%	
8.427	Hex-(3Z)-enol	848	0.02%	
8.933	Hexanol	862	0.01%	
9.890	Nonene	887	0.01%	
11.592	alpha-Thujene	923	0.01%	
11.993	alpha-Pinene	930	1.04%	
12.875	Camphene	946	0.03%	
14.121	Sabinene	969	0.09%	
14.416	beta-Pinene	975	0.21%	
15.042	Myrcene	986	0.25%	
15.943	Pseudolimonene	1002	0.04%	
17.223	Unidentified	1022	0.03%	
17.513	Limonene	1026	3.23%	IFRA
17.612	beta-Phellandrene	1028	0.03%	
17.690	1,8-Cineole	1029	0.04%	
17.929	cis-beta-Ocimene	1033	7.28%	
18.605	trans-beta-Ocimene	1043	7.19%	
19.364	gamma-Terpinene	1055	0.01%	
20.375	Unidentified	1071	0.01%	
21.055	Unidentified	1081	0.01%	
21.143	Terpinolene	1082	0.13%	
21.795	Unidentified	1092	0.01%	
22.094	Linalool	1097	0.05%	IFRA
24.023	allo-Ocimene	1125	0.47%	
24.800	Unidentified	1137	0.01%	
24.833	Unidentified	1137	0.05%	
25.726	Unidentified	1150	0%	
27.432	Menthol	1175	0.05%	
27.648	Unidentified	1178	0.03%	
28.659	alpha-Terpineol	1193	0.08%	
29.022	Estragole	1198	78.37%	IFRA
29.451	Unidentified	1204	0%	
29.542	Unidentified	1206	0.01%	
33.617	Unidentified	1266	0.01%	
34.657	Bornyl acetate	1281	0.1%	
37.818	delta-Elementene	1328	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
39.091	Eugenol	1348	0.07%	IFRA
41.242	Unidentified	1381	0.02%	
42.263	Methyleugenol	1396	0.34%	IFRA
43.464	beta-Caryophyllene	1415	0.21%	
43.596	Unidentified	1418	0.02%	
47.299	Germacrene D	1477	0.09%	
47.931	Unidentified	1487	0.06%	
48.181	Bicyclogermacrene	1491	0.14%	
48.762	trans,trans-alpha-Farnesene	1500	0.02%	
52.544	Unidentified	1564	0.03%	
53.013	Spathulenol	1572	0.02%	
61.128	Hernianin	1716	0.01%	
69.889	Unidentified	1884	0.01%	

Total Identified Compounds **99.7 %**



TIC
22,574,514

