



Essential Oil University

GC/MS Report

Item	Lot
Hyssop decumbens EO <i>Hyssopus officinalis</i> var. <i>decumbens</i>	7B
Date	Analyst
1/17/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Hyssop decumbens EO, meets the expected chemical profile for authentic essential oil of *Hyssopus officinalis* var. *decumbens*. 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:** Hyssop decumbens EO**Botanical Name:** Hyssopus officinalis var.
decumbens**Lot Number:** 7B**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Spain**Analysis Date:** 1/17/2025**Manufacture Date:** August 2024

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

-5.56

1.46537

0.87474



Ret. Time	Component	Ret. Idx.	Conc. %	
11.423	Hashishene	919	0.01%	
11.538	Tricyclene	922	0.02%	
11.687	alpha-Thujene	924	1.17%	
12.090	alpha-Pinene	932	3.35%	
12.881	alpha-Fenchene	946	0.07%	
12.980	Camphene	948	3.07%	
14.229	Sabinene	971	1.73%	
14.531	beta-Pinene	977	4.93%	
14.843	Camphene analogue	982	0.01%	
15.028	Unidentified	986	0.01%	
15.153	Myrcene	988	2.06%	
16.054	Pseudolimonene	1004	0.12%	
16.199	alpha-Phellandrene	1006	0.05%	
16.340	delta-3-Carene	1008	0.07%	
16.856	alpha-Terpinene	1016	0.02%	
17.338	para-Cymene	1024	0.05%	
17.647	Limonene	1029	7.19%	IFRA
17.841	1,8-Cineole	1032	17.52%	
18.029	cis-beta-Ocimene	1034	0.27%	
18.705	trans-beta-Ocimene	1045	0.51%	
19.483	gamma-Terpinene	1057	0.02%	
20.274	cis-Linalool oxide (furanoid)	1069	0.04%	
21.295	Terpinolene	1085	0.02%	
21.340	trans-Linalool oxide (furanoid)	1085	0.09%	
22.376	Linalool	1101	50.79%	IFRA
24.154	allo-Ocimene	1127	0.04%	
25.008	trans-Pinocarveol	1140	0.02%	
25.443	Camphor	1146	0.01%	
26.057	Myrtenyl acetate	1155	0.05%	
26.361	trans-Pinocamphone	1159	0.23%	
26.486	Pinocarvone	1161	0.02%	
27.436	Isopinocamphone	1175	1.35%	
27.754	Terpinen-4-ol	1180	0.02%	
28.787	Myrtenol	1195	0.08%	
28.967	Estragole	1197	0.03%	IFRA
40.828	alpha-Copaene	1374	0.01%	
41.341	beta-Bourbonene	1382	0.04%	
43.623	beta-Caryophyllene	1418	2.33%	
44.264	Unidentified	1428	0%	
46.141	Alloaromadendrene	1458	0.03%	



Ret. Time	Component	Ret. Idx.	Conc. %	
47.449	Germacrene D	1479	0.05%	
48.338	Bicyclogermacrene	1494	0.04%	
51.494	Elemol	1547	0.01%	
53.477	Caryophyllene oxide	1580	2.4%	
70.046	Camphorene isomer	1887	0.01%	
72.904	meta-Camphorene	1945	0.02%	
74.625	Unidentified	1981	0.01%	

Total Identified Compounds **99.97 %**

