



Essential Oil University

GC/MS Report

Item	Lot
Eucalyptus dives EO <i>Eucalyptus dives</i>	5Z
Date	Analyst
4/29/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Eucalyptus dives EO, meets the expected chemical profile for authentic essential oil of *Eucalyptus dives*. 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: Eucalyptus dives EO
Botanical Name: Eucalyptus dives
Lot Number: 5Z
Production Method: Steam distilled

Sample Type: EO - Single
Country of Origin: South Africa
Analysis Date: 4/29/2025
Manufacture Date: July 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	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-68.48
Refractive Index @20°C	USP[831]	1.47986
Specific Gravity @20°C	USP[841]	0.90280



Ret. Time	Component	Ret. Idx.	Conc. %	
5.844	Toluene	764	0.02%	IFRA
9.315	Isoamyl acetate	872	0%	
9.398	2-Methylbutyl acetate	874	0.01%	
11.686	alpha-Thujene	924	2.97%	
12.083	alpha-Pinene	932	0.36%	
14.222	Sabinene	971	0.25%	
14.520	beta-Pinene	977	0.05%	
15.147	Myrcene	988	1.36%	
16.237	alpha-Phellandrene	1007	22.75%	
16.848	alpha-Terpinene	1016	1.28%	
17.330	para-Cymene	1024	3.47%	
17.623	Limonene	1028	0.47%	IFRA
17.726	beta-Phellandrene	1030	1.66%	
17.803	1,8-Cineole	1031	1.88%	
18.022	cis-beta-Ocimene	1034	0.04%	
18.692	trans-beta-Ocimene	1045	0.36%	
19.473	gamma-Terpinene	1057	0.78%	
20.261	trans-Sabinene hydrate	1069	0.02%	
21.263	Terpinolene	1084	2.24%	
21.585	para-Cymenene	1089	0.02%	
22.211	Linalool	1099	1.06%	IFRA
23.886	cis-para-Menth-2-en-1-ol	1123	0.85%	
25.107	trans-para-Menth-2-en-1-ol	1141	0.6%	
27.010	Unidentified	1169	0.03%	
27.281	Unidentified	1173	0.03%	
27.610	Unidentified	1178	0.02%	
27.759	Terpinen-4-ol	1180	5.3%	
27.985	Unidentified	1183	0.04%	
28.183	para-Cymen-8-ol	1186	0.06%	
28.508	Methyl salicylate	1191	0.02%	
28.749	alpha-Terpineol	1194	1.36%	
28.863	trans-Piperitol	1196	0.19%	
29.290	alpha-Phellandrene epoxide	1202	0.06%	
29.700	trans-Piperitol	1208	0.31%	
31.685	Neral	1237	0.04%	IFRA
31.929	Methyl phenethyl ketone	1241	0.05%	
32.566	Geraniol	1250	0.08%	IFRA
32.913	Piperitone	1255	48.71%	
33.691	Geranial	1267	0.06%	IFRA
36.487	Unidentified	1308	0.01%	

Ret. Time	Component	Ret. Idx.	Conc. %
36.878	Unidentified	1314	0.02%
37.132	Unidentified	1318	0.03%
37.720	Unidentified	1327	0.01%
37.954	delta-Elemene	1331	0.03%
38.914	alpha-Terpinyl acetate	1345	0.15%
41.354	trans-Methyl cinnamate	1382	0.05%
41.700	beta-Elemene	1388	0%
41.903	Unidentified	1391	0.02%
43.600	beta-Caryophyllene	1418	0.05%
46.115	Alloaromodendrene	1458	0.03%
47.328	Unidentified	1477	0.01%
48.047	Viridiflorene	1489	0.03%
48.321	Bicyclogermacrene	1493	0.39%
51.477	alpha-Elemol	1546	0.03%
53.144	Spathulenol	1574	0.03%
53.679	Globulol	1583	0.03%
54.176	Viridiflorol	1592	0.02%
56.347	Unidentified	1630	0.06%
57.633	alpha-Eudesmol	1653	0.07%
66.918	Unidentified	1825	0.01%

Total Identified Compounds **99.65 %**

