



# Essential Oil University

## GC/MS Report

Item	Lot
<b>Balm Mint Bush EO</b> <i>Prostanthera melissifolia</i>	<b>5C</b>
Date	Analyst
<b>1/22/2026</b>	<b>Dr. Robert S. Pappas</b>

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**The analysis of this batch sample, Balm Mint Bush EO, meets the expected chemical profile for authentic essential oil of *Prostanthera melissifolia*. 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:** Balm Mint Bush EO  
**Botanical Name:** Prostanthera melissifolia  
**Lot Number:** 5C  
**Production Method:** Steam distilled

**Sample Type:** EO - Single  
**Country of Origin:** Australia  
**Analysis Date:** 1/22/2026  
**Manufacture Date:** December 2025

## GC/MS

**Inst. ID:** Shimadzu GCMS-QP2010Ultra  
**Injection Type:** Split  
**Split Ratio:** 24.4

**Column Type:** ZB-5  
**Injection Volume:** 0.1  $\mu$ L  
**Temperature Program:** 2C/min

## Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-11.64
Refractive Index @20°C	USP[831]	1.47099
Specific Gravity @20°C	USP[841]	0.90406



Ret. Time	Component	Ret. Idx.	Conc. %	
12.115	Hashishene	918	0.01%	
12.234	Tricyclene	920	0.03%	
12.381	alpha-Thujene	923	0.28%	
12.820	alpha-Pinene	931	18.97%	ALLERGEN
13.633	alpha-Fenchene	945	0.02%	
13.734	Camphene	947	0.07%	
15.014	Sabinene	969	0.01%	
15.333	beta-Pinene	975	0.03%	ALLERGEN
15.955	Myrcene	986	0.08%	PROP. 65
17.047	alpha-Phellandrene	1004	0.31%	
17.708	alpha-Terpinene	1014	0.07%	ALLERGEN
18.192	para-Cymene	1022	1.16%	
18.503	Limonene	1026	1.93%	ALLERGEN IFRA
18.620	beta-Phellandrene	1028	0.11%	
18.723	1,8-Cineole	1030	26.25%	
18.889	cis-beta-Ocimene	1032	0.04%	
19.586	trans-beta-Ocimene	1043	0.05%	
20.400	gamma-Terpinene	1055	1.1%	
21.226	cis-Linalool oxide (furanoid)	1067	0.01%	
22.229	Terpinolene	1082	0.47%	ALLERGEN
22.561	para-Cymenene	1087	0.02%	
23.216	Linalool	1097	14.41%	ALLERGEN IFRA
23.891	Unidentified	1107	0.01%	
24.923	cis-para-Menth-2-en-1-ol	1122	0.01%	
25.138	Unidentified	1125	0.01%	
26.156	trans-para-Menth-2-en-1-ol	1140	0.03%	
28.354	Unidentified	1171	0.01%	
28.818	Terpinen-4-ol	1178	3.21%	
29.055	Unidentified	1181	0.07%	
29.238	para-Cymen-8-ol	1184	0.06%	
29.818	alpha-Terpineol	1192	1.19%	ALLERGEN
30.371	alpha-Phellandrene epoxide	1200	0.04%	
30.772	trans-Piperitol	1206	0.02%	
33.031	Methyl phenethyl ketone	1239	0.01%	
33.519	Carvotanacetone	1246	0.03%	
33.934	Piperitone	1252	28.88%	
34.801	Geranial	1265	0.01%	ALLERGEN IFRA
36.806	Unidentified	1294	0.02%	
38.281	Unidentified	1316	0.01%	
39.101	delta-Elemene	1329	0.18%	



Ret. Time	Component	Ret. Idx.	Conc. %	
40.048	alpha-Terpinyl acetate	1343	0.05%	
40.345	Unidentified	1348	0.01%	
42.866	beta-Elemene	1386	0.01%	
44.018	beta-Maaliene	1403	0.03%	
44.808	beta-Caryophyllene	1416	0.52%	ALLERGEN
45.980	Aromadendrene	1435	0.05%	
47.335	Alloaromodendrene	1456	0.03%	
49.257	Viridiflorene	1487	0.06%	
49.539	Bicyclgermacrene	1492	0.05%	

Total Identified Compounds **99.9 %**



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