



Essential Oil University

GC/MS Report

Item	Lot
Buddha Wood EO Wild Crafted <i>Eremophila mitchellii</i>	1A
Date	Analyst
7/11/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Buddha Wood EO Wild Crafted, meets the expected chemical profile for authentic essential oil of *Eremophila mitchellii*. 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:** Buddha Wood EO Wild Crafted**Botanical Name:** Eremophila mitchellii**Lot Number:** 1A**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Australia**Analysis Date:** 7/11/2025**Manufacture Date:** January 2023

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

Not Measurable

1.53759

1.03805



Ret. Time	Component	Ret. Idx.	Conc. %	
38.347	Unidentified	1319	0.02%	
46.198	Unidentified	1440	0.04%	
47.614	4,5-di-epi-Aristolochene	1463	0.21%	
47.814	Selina-4,11-diene	1466	0.09%	
48.029	Unidentified	1469	0.04%	
48.709	Eremophilene	1480	1.27%	
48.785	beta-Selinene	1481	0.36%	
49.224	alpha-Selinene	1488	0.29%	
49.713	Eremophila-1(10),8,11-triene	1496	0.15%	
50.190	Unidentified	1504	0.02%	
50.304	Unidentified	1506	0.03%	
51.066	gamma-Vetivenene	1519	0.05%	
52.330	beta-Vetivenene	1540	0.1%	
53.096	Unidentified	1553	0.02%	
53.311	Unidentified	1557	0.07%	
53.680	Unidentified	1563	0.05%	
54.946	Unidentified	1584	0.04%	
55.190	Guaiol	1588	0.03%	
56.402	Maaliol	1609	1.16%	
57.268	Unidentified	1624	0.27%	
58.496	Pogostol	1646	1.34%	
58.694	Intermedeol	1649	0.17%	
58.940	Unidentified	1654	0.67%	
59.210	Unidentified	1659	0.02%	
59.386	Unidentified	1662	0.05%	
59.669	(Z)-alpha-Santalal analogue	1667	3.75%	
61.335	Unidentified	1696	0.03%	
61.733	Unidentified	1703	0.03%	
62.233	Unidentified	1713	0.17%	
62.538	Unidentified	1718	0.04%	
62.785	Unidentified	1723	0.01%	
63.036	Eremophilone	1728	31.74%	
63.190	Eremophilone analogue	1731	0.15%	
63.393	gamma-Costol	1734	0.06%	
63.941	8-Hydroxy-11-Eremophilen-9-one (Santalcamphor)	1745	15.81%	
64.090	8-hydroxy-1,11-Eremophiladien-9-one	1747	1.41%	
64.646	Eremophilol derivative	1758	1.39%	
64.997	Eremophilol derivative	1764	0.15%	
65.688	Unidentified	1777	0.05%	
65.973	Unidentified	1782	0.98%	



Ret. Time	Component	Ret. Idx.	Conc. %	
66.493	Eremophila-7(11),9-dien-8-one	1792	0.46%	
66.783	Unidentified	1797	0.04%	
66.979	Aristol-9-en-8-one	1801	0.07%	
67.112	Unidentified	1804	0.09%	
67.503	Unidentified	1811	0.01%	
68.633	2-Hydroxyermophilone	1834	30.24%	
69.004	Eudesma-5,11(13)-dien-8,12-olide A	1841	0.39%	
69.195	Unidentified	1845	0.02%	
70.509	Eudesma-5,11(13)-dien-8,12-olide B	1870	5.94%	
71.690	Unidentified	1893	0.08%	
71.967	Unidentified	1899	0.11%	
72.401	Unidentified	1908	0.04%	
72.722	Unidentified	1914	0.01%	
73.291	Unidentified	1926	0.03%	
74.897	Unidentified	1959	0.05%	
75.942	Furanoeremophilene	1980	0.09%	
77.383	Unidentified	2010	0.02%	
78.150	Unidentified	2027	0.01%	

Total Identified Compounds **96.89 %**

