



Essential Oil University

GC/MS Report

Blue Cypress Oil WC, Australia

Callitris intratropica

Item | Lot

4A

Date | Analyst

1/16/2025

Dr. Robert S. Pappas

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The analysis of this batch sample, Blue Cypress Oil WC, Australia, meets the expected chemical profile for authentic essential oil of *Callitris intratropica*. 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:** Blue Cypress Oil WC, Australia**Botanical Name:** Callitris intratropica**Lot Number:** 4A**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Australia**Analysis Date:** 1/16/2025**Manufacture Date:** November 2022

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

1.50739

0.99168



Ret. Time	Component	Ret. Idx.	Conc. %	
3.034	Unidentified	629	0.01%	
11.559	Tricyclene	919	0.04%	
12.109	alpha-Pinene	929	0.83%	
12.903	alpha-Fenchene	943	0.01%	
13.000	Camphene	945	0.03%	
13.199	Thuja-2,4(10)-diene	948	0.02%	
14.547	beta-Pinene	973	0.02%	
16.367	delta-3-Carene	1005	0.32%	
17.355	para-Cymene	1020	0.06%	
17.651	Limonene	1025	0.12%	IFRA
17.751	beta-Phellandrene	1026	0.01%	
17.828	1,8-Cineole	1028	0.01%	
20.416	Unidentified	1067	0.02%	
21.022	Cymenene isomer	1077	0.05%	
21.298	Terpinolene	1081	0.03%	
21.619	para-Cymenene	1086	0.07%	
23.564	exo-Fenchol	1115	0.02%	
24.096	alpha-Campholenal	1122	0.02%	
25.036	trans-Pinocarveol	1136	0.07%	
25.473	Camphor	1142	0.01%	
26.397	trans-Pinocamphone	1156	0.03%	
27.178	Borneol	1167	0.09%	
27.787	Unidentified	1176	0.04%	
28.328	alpha-Terpineol	1184	0.03%	
28.792	beta-Fenchol	1191	0.23%	
29.581	Verbenone	1202	0.13%	
29.812	Eucarvone	1205	0.02%	
30.410	trans-Carveol	1214	0.01%	
31.532	trans-Myrtanol	1231	0.03%	
32.093	2-Caren-10-al	1239	0.1%	
32.221	8-oxo-cis-Ocimene	1241	0.04%	
33.018	Unidentified	1252	0.02%	
34.397	Phellandral	1273	0.02%	
39.245	Myrtensaeure	1346	1.53%	
41.426	beta-Patchoulene	1379	0.05%	
41.765	beta-Elemene	1384	0.91%	
42.516	Unidentified	1395	0.16%	
43.130	Isolatedene	1405	0.06%	
43.245	Unidentified	1407	0.04%	
43.380	Myrtensaeure isomer	1409	0.05%	



Ret. Time	Component	Ret. Idx.	Conc. %	
43.656	beta-Caryophyllene	1414	0.08%	
44.654	alpha-Guaiene	1430	0.43%	
45.385	trans-Muurola-3,5-diene	1441	0.03%	
45.483	beta-Barbatene	1443	0.04%	
45.906	alpha-Humulene	1450	0.09%	
46.810	4,5-di-epi-aristolochene	1464	0.09%	
46.999	Isovalencenol isomer	1467	2.2%	
47.506	Unidentified	1475	0.08%	
47.806	Epiligulyl oxide	1480	1.48%	
47.994	beta-Selinene	1483	2.05%	
48.424	alpha-Selinene	1490	1.9%	
48.771	alpha-Bulnesene	1496	0.58%	
50.607	Unidentified	1526	0.12%	
50.868	Selina-4(15),7(11)-diene	1531	0.13%	
51.144	Selina-3,7(11)-diene	1535	0.14%	
51.545	alpha-Elemol	1542	1.72%	
52.240	gamma-Gurjunene	1554	0.26%	
53.063	Viridiflorol isomer	1568	0.11%	
54.462	Guaiol	1591	15.63%	
54.575	5-epi-7-epi-alpha-Eudesmol	1593	0.11%	
55.078	Guaiol isomer	1602	0.55%	
55.335	Rosifoliol	1606	0.2%	
55.596	Intermedeol	1611	0.2%	
56.448	gamma-Eudesmol	1626	8.61%	
56.856	Eremoligenol isomer	1633	0.21%	
57.062	Hinesol	1637	0.31%	
57.416	Eudesmol isomer	1643	0.29%	
57.770	alpha-Eudesmol	1650	13.8%	
57.910	Unidentified	1652	1.31%	
58.332	Bulnesol	1660	10.47%	
58.649	4,4-Dimethyladamantan-2-ol	1665	0.3%	
59.090	Bulnesol isomer	1673	0.23%	
59.981	Unidentified	1689	0.17%	
60.097	Pogostol	1691	0.27%	
60.564	Unidentified	1699	0.25%	
61.977	Unidentified	1726	0.07%	
62.091	Unidentified	1728	0.08%	
62.406	Nootkatene	1734	0.08%	
62.582	gamma-Costol	1737	3.28%	
62.720	Selin-7(11)-en-4-ol	1739	0.12%	



Ret. Time	Component	Ret. Idx.	Conc. %	
62.937	Unidentified	1743	0.49%	
63.242	13-Hydroxy Valencene	1749	0.1%	
63.874	beta-Costol	1761	2.11%	
64.066	alpha-Costol	1765	2.16%	
64.399	Unidentified	1771	0.3%	
65.511	Callitrin isomer	1792	0.72%	
66.501	Callitrin	1811	1.84%	
67.423	Unidentified	1829	0.08%	
68.580	Callitrisin isomer	1851	1.2%	
70.306	Unidentified	1885	0.33%	
70.715	Dihydrocolumellarin	1893	12.71%	
71.080	Canellal analog	1901	0.43%	
71.613	Unidentified	1912	0.1%	
71.679	Callitrisin analog	1913	0.16%	
71.851	Unidentified	1916	0.05%	
72.308	Unidentified	1926	0.09%	
72.556	Callitrisin	1931	1.38%	
72.680	Callitrisin isomer	1933	0.42%	
72.846	Callitrisin isomer	1937	0.62%	
73.010	Columellarin	1940	0.68%	
73.117	Unidentified	1942	0.13%	
73.297	Callitrisin isomer	1946	0.06%	
74.143	Dihydrocallitrisin	1964	0.24%	
81.489	Manool	2121	0.04%	
83.771	Sandaracopimarinal	2172	0.11%	
85.037	Unidentified	2200	0.03%	

Total Identified Compounds **96.04 %**

