



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Sandalwood, Australia - Premium
LATIN NAME	<i>Santalum spicatum</i>
COUNTRY OF ORIGIN	Australia
CULTIVATION METHOD	Wild Grown
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Heartwood
USE	Aromatherapy, Natural Perfumery

SKU	905
LOT #	18
MANUFACTURING DATE	January 2024
BEST BY DATE	January 2034

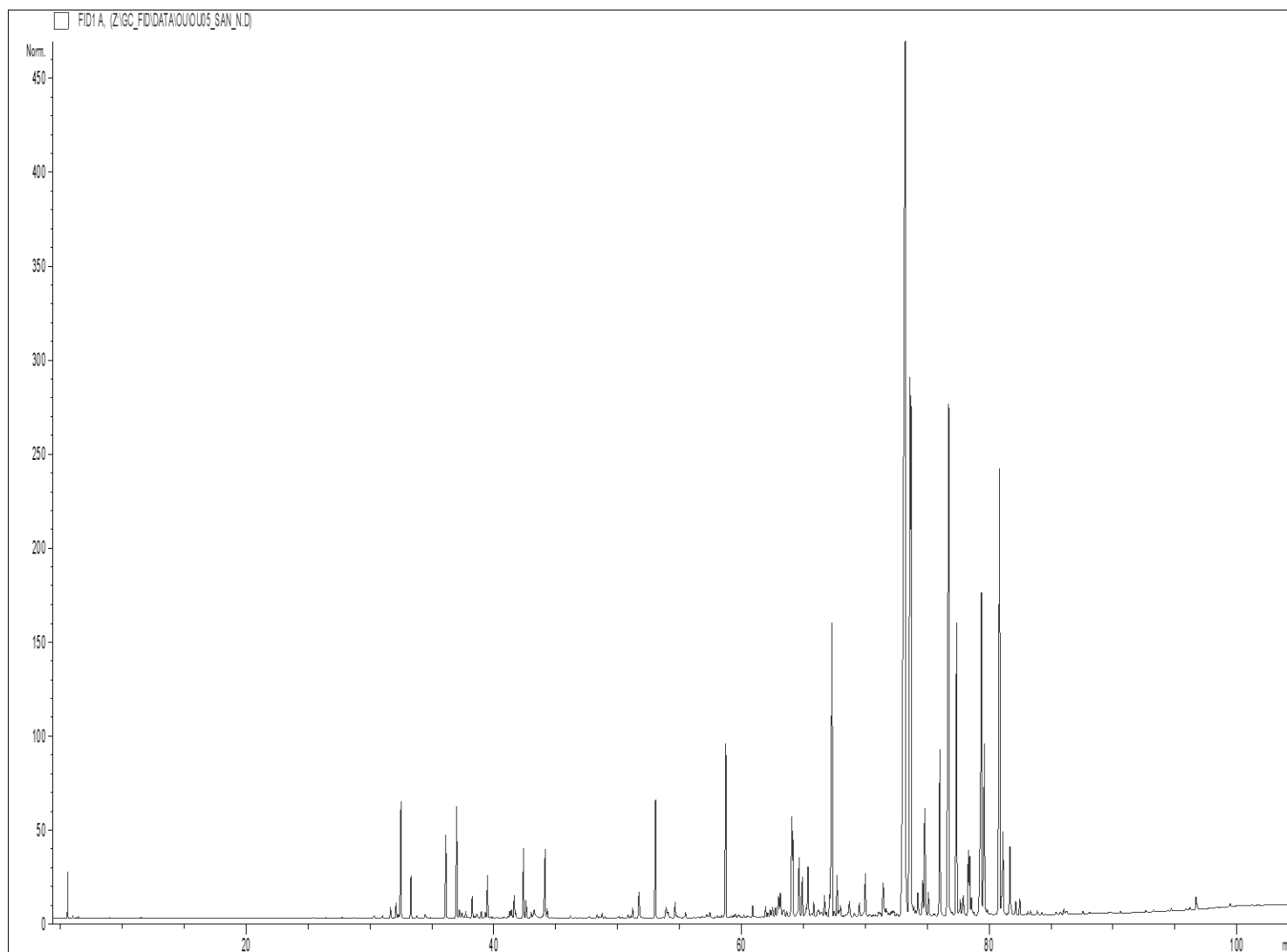
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.945 - 0.980	0.960
REFRACTIVE INDEX @20°C	1.500 – 1.517	1.5041
OPTICAL ROTATION @20°C	-16° to +4°	-4.17°

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Pale yellow to bright golden	Conforms
ODOR	Sweet, soft woody	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use.	

PRIMARY CONSTITUENTS	Alpha-Santalol, Cis-Beta-Santalol, Cis-Nuciferol.
----------------------	---

GCMS ANALYSIS

CHROMATOGRAPHIC PROFILE:



- SANDALWOOD PREMIUM EO - SKU 905 lot 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	5.58	SANTENE	0.21		
2	6.01	TRICYCLEN	0.02		
3	25.42	FURFURAL	0.02		
4	30.30	SESQUITERPENE	0.02		
5	30.36	ALIPHATIC ESTER	0.03		
6	31.01	CEDRENE ISOMER	0.04		
7	31.66	alpha-cis-BERGAMOTENE	0.11		
8	32.11	alpha-CEDRENE	0.17		
9	32.30	BERGAMOTENE ISOMER	0.05		
10	32.51	alpha-SANTALENE	1.30		
11	33.31	alpha-trans-BERGAMOTENE	0.41		
12	33.80	beta-CEDRENE	0.03		
13	34.47	SANTALENE ISOMER	0.07		
14	36.13	Epi-beta-SANTALENE	0.87		
15	37.01	beta-SANTALENE	1.21		
16	37.22	FARNESENE ISOMER	0.10		
17	37.44	alpha-ACORADIENE	0.09		
18	37.74	SESQUITERPENE	0.08		
19	38.25	CURCUMENE ISOMER	0.24		
20	38.44	SESQUITERPENE	0.02		
21	38.62	CURCUMENE ISOMER	0.09		
22	39.00	FARNESENE ISOMER	0.08		
23	39.31	ISODAUCE	0.06		
24	39.49	gamma-CURCUMENE	0.43		
25	39.78	SESQUITERPENE	0.02		
26	39.93	AROMATIC COMPOUND	0.02		
27	40.27	AROMATIC COMPOUND	0.02		
28	40.72	AROMATIC COMPOUND	0.01		
29	40.88	SESQUITERPENE	0.02		
30	41.13	SESQUITERPENE	0.02		
31	41.28	alpha-ZINGIBERENE	0.08		
32	41.42	alpha-SELINENE	0.13		
33	41.64	beta-BISABOLENE	0.26		
34	41.76	SESQUITERPENE	0.07		
35	42.39	beta-CURCUMENE	0.71		
36	42.61	SESQUITERPENE	0.18		
37	43.02	E,E-alpha-FARNESENE	0.06		
38	43.25	SESQUITERPENE	0.22		
39	44.14	alpha-CURCUMENE	0.87		
40		beta-SESQUIPHELLANDRENE			
41	44.30	trans-alpha-BISABOLENE	0.11		
42	46.19	COMPOUND Mw=220	0.03		
43	46.93	AROMATIC COMPOUND	0.02		

- SANDALWOOD PREMIUM EO - SKU 905 lot 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	47.72	AROMATIC COMPOUND	0.02		
45	48.33	COMPOUND Mw=220	0.04		
46	48.51	SESQUITERPENIC OXID	0.02		
47	48.75	E-GERANYL ACETONE	0.06		
48	48.97	COMPOUND Mw=220	0.02		
49	50.12	TERPENIC COMPOUND	0.02		
50	50.84	AROMATIC COMPOUND	0.04		
51	51.01	AROMATIC COMPOUND	0.03		
52	51.21	AROMATIC COMPOUND	0.11		
53	51.72	NUCIFEROL ISOMER	0.35		
54		AROMATIC COMPOUND			
55	53.06	DENDROLASIN	1.23		
56	53.90	SESQUITERPENIC COMPOUND	0.19		
57	54.07	SESQUITERPENIC COMPOUND	0.09		
58	54.64	COMPOUND Mw=220	0.17		
59	54.75	AROMATIC COMPOUND	0.04		
60	55.38	AROMATIC COMPOUND	0.01		
61	55.47	AROMATIC COMPOUND	0.07		
62	56.52	TERPENIC COMPOUND	0.02		
63	56.85	TERPENIC COMPOUND	0.02		
64	57.18	AROMATIC COMPOUND	0.06		
65	57.43	SESQUITERPENIC COMPOUND	0.08		
66	58.73	NEROLIDOL	1.87		
67	59.18	AROMATIC COMPOUND	0.03		
68	59.36	SESQUITERPENOL	0.03		
69	59.51	SESQUITERPENIC COMPOUND	0.05		
70	59.69	AROMATIC COMPOUND	0.02		
71	59.79	AROMATIC COMPOUND	0.04		
72	60.20	SESQUITERPENIC COMPOUND	0.04		
73	60.47	SESQUITERPENIC COMPOUND	0.02		
74	60.56	SESQUITERPENIC COMPOUND	0.02		
75	60.90	GUAJOL	0.13		
76	61.09	SESQUITERPENIC COMPOUND	0.03		
77	61.64	AROMATIC COMPOUND	0.03		
78	61.95	AROMATIC COMPOUND	0.14		
79	62.14	SESQUITERPENIC COMPOUND	0.06		
80	62.31	SESQUITERPENIC COMPOUND	0.09		
81	62.49	AROMATIC COMPOUND	0.15		
82	62.73	SESQUITERPENIC COMPOUND	0.14		
83	62.99	SESQUITERPENIC COMPOUND	0.33		
84	63.12	SESQUITERPENIC OXIDE	0.40		
85	63.42	COMPOUND Mw=216	0.19		
86	63.65	SESQUITERPENIC COMPOUND	0.09		

- SANDALWOOD PREMIUM EO - SKU 905 lot 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	64.06	Epi-beta-BISABOLOL	1.25		
88	64.14	beta-BISABOLOL	0.73		
89	64.51	SESQUITERPENIC COMPOUND	0.10		
90	64.65	alpha-SANTALAL	0.74		
91	64.92	SANTALIC COMPOUND Mw=218	0.48		
92	65.22	SESQUITERPENOL	0.15		
93	65.37	SANTALIC COMPOUND Mw=216	0.68		
94	65.61	SESQUITERPENIC COMPOUND	0.04		
95	65.67	SESQUITERPENIC COMPOUND	0.04		
96	65.83	SESQUITERPENOL	0.17		
97	66.15	SANTALIC COMPOUND Mw=216	0.09		
98	66.23	SESQUITERPENOL	0.08		
99	66.70	BULNESOL	0.25		
100	66.86	SESQUITERPENOL	0.07		
101	67.12	alpha-BISABOLOL	0.23		
102	67.31	Epi-alpha-BISABOLOL	3.97	0.20 - 12.5	
103	67.47	SESQUITERPENOL	0.09		
104	67.71	AROMATIC COMPOUND Mw=166	0.48		
105	67.87	SESQUITERPENIC COMPOUND	0.08		
106	67.98	SANTALIC COMPOUND	0.14		
107	68.42	SESQUITERPENIC COMPOUND	0.04		
108	68.59	SANTALIC COMPOUND	0.07		
109	68.71	SANTALIC COMPOUND	0.22		
110	69.10	SESQUITERPENOL	0.07		
111	69.52	FARNESYL ACETATE	0.19		
112	69.84	SESQUITERPENOL	0.07		
113	70.00	DIMETHYL METHYLPENTENYL NORBORNANOL	0.55		
114	70.31	SESQUITERPENOL	0.04		
115	70.42	AROMATIC COMPOUND	0.03		
116	70.65	AROMATIC COMPOUND	0.04		
117	70.83	AROMATIC COMPOUND	0.02		
118	71.06	SESQUITERPENOL	0.11		
119	71.23	SESQUITERPENOL	0.04		
120	71.44	CURCUMENOL ISOMER	0.54		
121	71.66	SESQUITERPENOL	0.10		
122	71.77	SESQUITERPENOL	0.07		
123	71.91	SESQUITERPENOL	0.05		
124	72.09	SESQUITERPENOL	0.06		
125	72.23	SESQUITERPENIC COMPOUND	0.08		
126	72.32	SESQUITERPENIC COMPOUND	0.07		
127	72.56	SESQUITERPENIC COMPOUND	0.05		
128	72.85	CURCUMENOL ISOMER	0.41		
129	73.23	Z-alpha-SANTALOL	23.53	15.0 - 30.0	23.53

- SANDALWOOD PREMIUM EO - SKU 905 lot 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
130	73.62	E,E-FARNESOL	7.08	2.5 - 18.0	7.08
131	73.70	Z-alpha-trans-BERGAMOTOL	5.16	2.0 - 10.0	
132	73.93	SESQUITERPENOL	0.12		
133	74.08	SESQUITERPENOL	0.08		
134	74.23	SESQUITERPENOL	0.36		
135	74.63	SESQUITERPENOL	0.46		
136	74.80	SESQUITERPENOL	1.53		
137	75.09	BERGAMOTOL ISOMER	0.32		
138	75.51	SESQUITERPENOL	0.03		
139	75.60	BERGAMOTOL ISOMER	0.02		
140	76.03	Epi-beta-SANTALOL	1.98	0.50 - 3.5	
141	76.32	SESQUITERPENOL	0.01		
142	76.74	Z-beta-SANTALOL	8.08	4.5 - 20.0	8.08
143	77.02	SESQUITERPENOL	0.06		
144	77.38	BERGAMOTOL ISOMER	3.63		
145	77.67	SESQUITERPENOL	0.24		
146	77.90	SESQUITERPENOL	0.34		
147	78.09	SESQUITERPENOL	0.02		
148	78.32	Z-gamma-CURCUMENE-12-OL	0.75		
149	78.43	SANTALOL ISOMER	0.65		
150	78.56	BERGAMOTOL ISOMER	0.26		
151	78.76	SESQUITERPENOL	0.04		
152	79.38	E-beta-CURCUMENE-12-OL	4.75		
153	79.61	Z-LANCEOL	2.33	0.50 - 10.0	
154	79.87	SESQUITERPENOL	0.09		
155	80.10	BERGAMOTOL ISOMER	0.03		
156	80.22	SESQUITERPENOL	0.03		
157	80.51	SESQUITERPENOL	0.03		
158	80.84	Z-NUCIFEROL	6.23	2.0 - 15.0	
159	81.01	COMPOUND Mw=218	0.18		
160	81.11	BERGAMOTOL ISOMER	1.05		
161	81.53	COMPOUND Mw=218	0.03		
162	81.68	COMPOUND Mw=200	0.88		
163	82.15	CURCUMENOL ISOMER	0.18		
164	82.47	COMPOUND Mw=218	0.20		
165	82.93	COMPOUND Mw=200	0.02		
166	83.12	AROMATIC COMPOUND	0.04		
167	83.34	AROMATIC COMPOUND	0.07		
168	83.88	SESQUITERPENIC COMPOUND	0.07		
169	84.27	TERPENIC COMPOUND	0.03		
170	85.39	AROMATIC COMPOUND	0.04		
171	85.74	AROMATIC COMPOUND	0.04		
172	86.03	SESQUITERPENIC OXIDE	0.07		

- SANDALWOOD PREMIUM EO - SKU 905 lot 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
173	86.15	AROMATIC COMPOUND	0.03		
174	86.25	AROMATIC COMPOUND	0.07		
175	87.57	AROMATIC COMPOUND	0.05		
176	88.11	AROMATIC COMPOUND	0.03		
177	90.60	AROMATIC COMPOUND	0.02		
178	92.65	TERPENIC COMPOUND	0.03		
179	93.29	COMPOUND Mw=220	0.03		
180	94.45	ALIPHATIC ALCOHOL	0.03		
181	94.71	AROMATIC COMPOUND	0.04		
182	95.91	AROMATIC COMPOUND	0.02		
183	96.21	AROMATIC COMPOUND	0.03		
184	96.71	TERPENIC COMPOUND	0.16		
185	96.79	TERPENIC COMPOUND	0.04		
186	99.37	TERPENIC COMPOUND	0.02		
187	99.48	TERPENIC COMPOUND	0.04		
		TOTAL	99.70		38.69

This Essential Oil is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

T: 1-707-509-0041 / F: 1-707-949-2526

Document created: 05.01.18

Document updated: 01.13.26