



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 #	15
MANUFACTURING DATE	April 2022
BEST BY DATE	April 2032

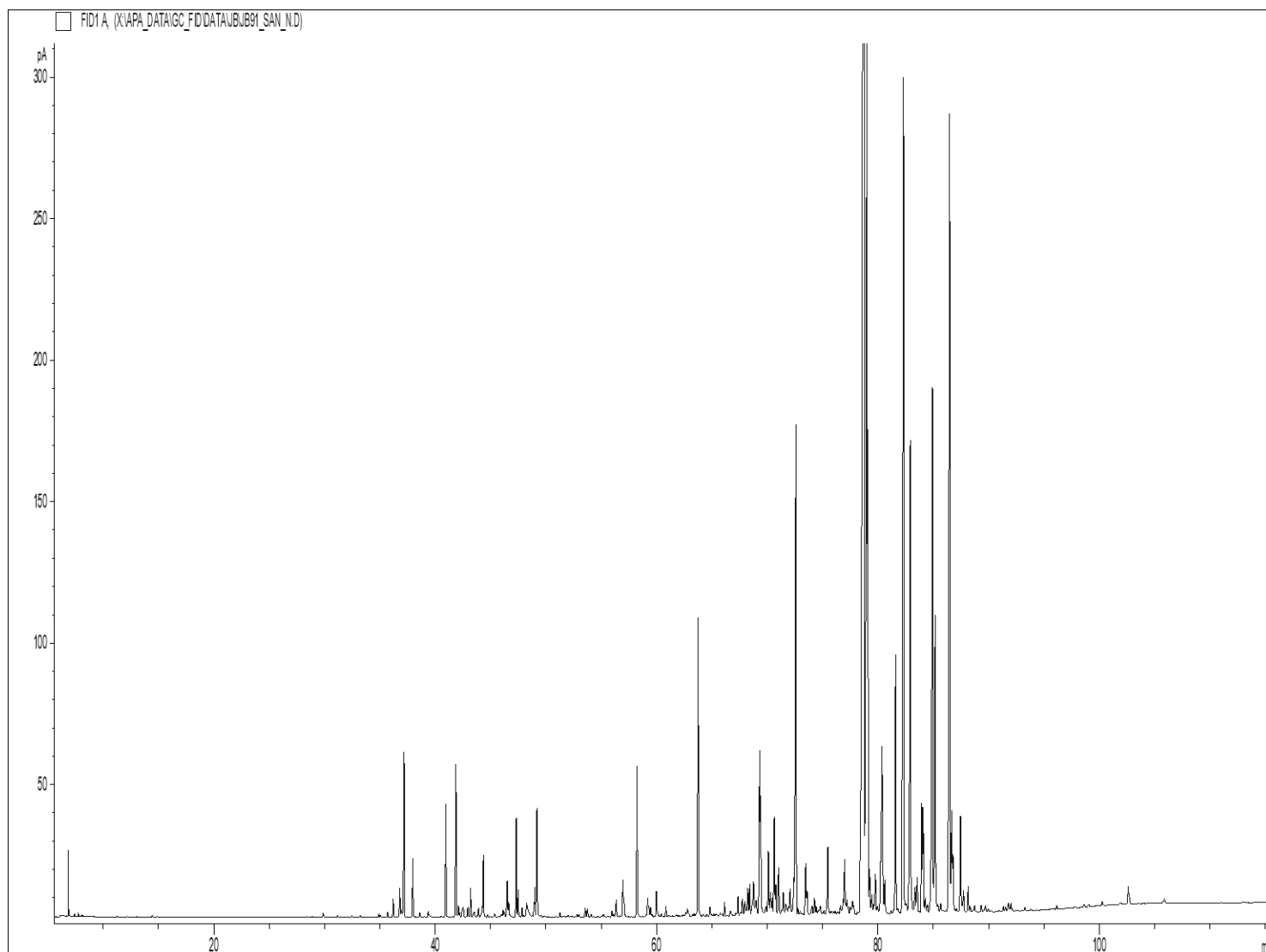
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.945 - 0.980	0.960
REFRACTIVE INDEX @20°C	1.500 – 1.517	1.5058
OPTICAL ROTATION @20°C	-16° to +4°	-2.87°

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

PRIMARY CONSTITUENTS	Alpha-Santalol, Cis-Beta-Santalol, Cis-Nuciferol.
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THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- SANDALWOOD PREMIUM EO - SKU 905 LOT 15 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	6.87	SANTENE	0.19		
2	29.87	FURFURAL	0.03		
3	35.70	CEDRENE ISOMER	0.03		
4	36.21	alpha-cis-BERGAMOTENE	0.12		
5	36.80	alpha-CEDRENE	0.19		
6	36.94	BERGAMOTENE ISOMER	0.05		
7	37.19	alpha-SANTALENE	1.12		
8	37.99	alpha-trans-BERGAMOTENE	0.36		
9	38.61	beta-CEDRENE	0.03		
10	39.38	SANTALENE ISOMER	0.05		
11	40.97	epi-beta-SANTALENE	0.74		
12	41.87	beta-SANTALENE	1.03		
13	42.10	FARNESENE ISOMER	0.08		
14	42.21	alpha-ACORADIENE	0.03		
15	42.46	SESQUITERPENE	0.06		
16	42.53	FARNESENE ISOMER	0.07		
17	42.95	FARNESENE ISOMER	0.06		
18	43.20	CURCUMENE ISOMER	0.19		
19	43.47	SESQUITERPENE	0.03		
20	43.53	CURCUMENE ISOMER	0.04		
21	43.92	FARNESENE ISOMER	0.06		
22	44.25	ISODAUCENE	0.06		
23	44.36	gamma-CURCUMENE	0.40		
24	44.75	SESQUITERPENE	0.02		
25	45.37	AROMATIC COMPOUND	0.03		
26	46.00	SESQUITERPENE	0.03		
27	46.14	alpha-ZINGIBERENE	0.05		
28	46.26	SESQUITERPENE	0.04		
29	46.51	beta-BISABOLENE	0.29		
30	46.64	SESQUITERPENE	0.11		
31	47.33	beta-CURCUMENE	0.64		
32	47.50	SESQUITERPENE	0.18		
33	47.84	E,E-alpha-FARNESENE	0.06		
34	48.26	SESQUITERPENE	0.24		
35	49.00	beta-SESQUIPHELLANDRENE	0.22		
36	49.19	alpha-CURCUMENE	0.78		
37	51.26	COMPOUND Mw=220	0.03		
38	52.85	AROMATIC COMPOUND	0.02		
39	53.55	8,14-CEDRANOXIDE	0.06		
40	53.75	E-GERANYL ACETONE	0.06		
41	55.21	TERPENIC COMPOUND	0.03		
42	55.97	AROMATIC COMPOUND	0.04		
43	56.13	AROMATIC COMPOUND	0.02		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	56.36	AROMATIC COMPOUND	0.14		
45	56.97	AROMATIC COMPOUND	0.40		
46	58.24	DENDROLASIN	0.96		
47	59.20	AROMATIC COMPOUND	0.22		
48	59.45	AROMATIC COMPOUND	0.08		
49	59.99	SESQUITERPENIC OXIDE	0.22		
50	60.46	AROMATIC COMPOUND	0.02		
51	60.85	AROMATIC COMPOUND	0.07		
52	62.63	TERPENIC COMPOUND	0.03		
53	62.80	TERPENIC COMPOUND	0.10		
54	63.42	AROMATIC COMPOUND	0.02		
55	63.76	NEROLIDOL	2.08		
56	64.20	SESQUITERPENIC COMPOUND	0.02		
57	64.83	AROMATIC COMPOUND	0.09		
58	65.18	SESQUITERPENIC COMPOUND	0.02		
59	65.39	AROMATIC COMPOUND	0.04		
60	65.76	AROMATIC COMPOUND	0.04		
61	65.92	SESQUITERPENIC COMPOUND	0.03		
62	66.14	GUAIOL	0.09		
63	66.67	SESQUITERPENIC COMPOUND	0.07		
64	67.18	AROMATIC COMPOUND	0.04		
65	67.36	AROMATIC COMPOUND	0.15		
66	67.60	SESQUITERPENIC COMPOUND	0.05		
67	67.75	SESQUITERPENIC COMPOUND	0.16		
68	67.97	AROMATIC COMPOUND	0.17		
69	68.23	SESQUITERPENIC COMPOUND	0.25		
70	68.42	SESQUITERPENIC COMPOUND	0.24		
71	68.75	SESQUITERPENIC OXIDE	0.45		
72	69.01	COMPOUND Mw=216	0.20		
73	69.31	epi-beta-BISABOOL	1.31		
74	69.40	beta-BISABOOL	0.74		
75	69.89	SESQUITERPENIC COMPOUND	0.14		
76	70.11	alpha-SANTALAL	0.52		
77	70.30	SANTALIC COMPOUND	0.21		
78	70.44	SANTALIC COMPOUND	0.13		
79	70.64	SANTALIC COMPOUND Mw=218	0.83		
80	70.78	SESQUITERPENOL	0.23		
81	71.02	SANTALIC COMPOUND Mw=216	0.42		
82	71.32	SESQUITERPENIC COMPOUND	0.05		
83	71.44	SESQUITERPENIC COMPOUND	0.21		
84	71.67	SESQUITERPENOL	0.19		
85	71.93	SESQUITERPENIC COMPOUND	0.07		
86	72.07	BULNESOL	0.22		

- SANDALWOOD PREMIUM EO – SKU 905 LOT 15 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	72.39	alpha-BISABOLOL	0.30		
88	72.59	Epi-alpha-BISABOLOL	3.95	0.20 - 12.5	
89	72.77	TERPENIC COMPOUND	0.06		
90	72.98	SESQUITERPENOL	0.05		
91	73.47	AROMATIC COMPOUND Mw=166	0.43		
92	73.60	SESQUITERPENIC COMPOUND	0.19		
93	74.04	SANTALIC COMPOUND	0.11		
94	74.24	SANTALIC COMPOUND	0.14		
95	74.40	SANTALIC COMPOUND	0.08		
96	74.59	SESQUITERPENOL	0.03		
97	74.79	FARNESYL ACETATE	0.13		
98	75.10	SESQUITERPENOL	0.05		
99	75.46	DIMETHYL METHYLPENTENYL NORBORNANOL	0.57		
100	75.76	SESQUITERPENOL	0.05		
101	75.96	AROMATIC COMPOUND	0.03		
102	76.14	AROMATIC COMPOUND	0.04		
103	76.33	AROMATIC COMPOUND	0.02		
104	76.60	SESQUITERPENOL	0.09		
105	76.84	SESQUITERPENOL	0.14		
106	76.97	CURCUMENOL ISOMER	0.51		
107	77.20	SESQUITERPENOL	0.17		
108	77.48	SESQUITERPENOL	0.07		
109	77.69	SESQUITERPENOL	0.14		
110	77.80	AROMATIC COMPOUND	0.07		
111	78.15	AROMATIC COMPOUND	0.03		
112	78.70	CURCUMENOL ISOMER	0.50		
113	78.73	Z-alpha-SANTALOL	22.25	15.0 - 30.0	
114	78.99	E,E-FARNESOL	8.51	2.5 - 18.0	8.51
115	79.08	Z-alpha-trans-BERGAMOTOL	2.77	2.0 - 10.0	
116	79.24	SESQUITERPENOL	0.36		
117	79.44	SESQUITERPENOL	0.19		
118	79.62	SESQUITERPENOL	0.07		
119	79.76	SESQUITERPENOL	0.34		
120	79.96	SESQUITERPENOL	0.08		
121	80.35	SESQUITERPENOL	2.11		
122	80.62	BERGAMOTOL ISOMER	0.28		
123	81.18	SESQUITERPENOL	0.03		
124	81.58	epi-beta-SANTALOL	1.90	0.50 - 3.5	
125	81.79	SESQUITERPENOL	0.05		
126	82.30	Z-beta-SANTALOL	7.77	4.5 - 20.0	
127	82.57	SESQUITERPENOL	0.14		
128	82.92	BERGAMOTOL ISOMER	4.15		
129	83.19	SESQUITERPENOL	0.02		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
130	83.32	SESQUITERPENOL	0.21		
131	83.53	SESQUITERPENOL	0.35		
132	83.94	Z-gamma-CURCUMENE-12-OL	0.83		
133	84.07	SANTALOL ISOMER	0.79		
134	84.27	BERGAMOTOL ISOMER	0.12		
135	84.44	SESQUITERPENOL	0.08		
136	84.92	E-beta-CURCUMENE-12-OL	5.10		
137	85.16	Z-LANCEOL	2.46	0.5 - 10.0	
138	85.41	SESQUITERPENOL	0.08		
139	85.65	BERGAMOTOL ISOMER	0.10		
140	85.88	SESQUITERPENOL	0.05		
141	86.15	SESQUITERPENOL	0.02		
142	86.47	Z-NUCIFEROL	7.08	2.0 - 15.0	
143	86.66	BERGAMOTOL ISOMER	0.90		
144	86.77	AROMATIC COMPOUND Mw=200	0.45		
145	87.45	COMPOUND Mw=200	0.79		
146	87.72	SESQUITERPENOL	0.23		
147	88.14	SESQUITERPENOL	0.20		
148	88.32	COMPOUND Mw=200	0.05		
149	88.59	AROMATIC COMPOUND	0.02		
150	88.72	SESQUITERPENIC COMPOUND	0.05		
151	89.33	TERPENIC COMPOUND	0.06		
152	89.60	AROMATIC COMPOUND	0.02		
153	89.71	AROMATIC COMPOUND	0.06		
154	89.96	SESQUITERPENIC OXIDE	0.03		
155	91.33	TERPENIC COMPOUND	0.04		
156	91.52	AROMATIC COMPOUND	0.04		
157	91.79	AROMATIC COMPOUND	0.10		
158	92.01	AROMATIC COMPOUND	0.07		
159	93.25	TERPENIC COMPOUND	0.04		
160	96.14	SESQUITERPENOL	0.03		
161	98.61	SESQUITERPENIC OXIDE	0.03		
162	99.05	TERPENIC COMPOUND	0.03		
163	100.25	TERPENIC COMPOUND	0.05		
164	102.60	TERPENIC COMPOUND	0.20		
165	105.88	TERPENIC COMPOUND	0.04		
		TOTAL	99.38		8.51

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.

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