

## **CERTIFICATE OF ANALYSIS**

Product name : Organic Sandalwood Oil  
Batch number : NNICOSWEO/694/0919  
Expiry Date : Aug - 2022

<b>PARAMETER</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Appearance	Slightly Yellow Colour.	Complies
Odour	Somewhat Woody, Sweet, peculiar, persistent	Complies
Specific Gravity At 25 °C	0.929 – 0.990	0.954 gms
Refractive Index At 25 °C	1.485 – 1.499	1.489
Optical Rotation At 25 °C	-5° to +15°	+7.4
Solubility	1 ml dissolves in 70% Alcohol	Complies
<b>Stability &amp; Storage</b> -Keep in tightly closed in container in a cool & dry place, Protect from Light		



## Sri Venkatesh Aromas

Manufacturer/Exporter of Natural oils, Spice Oils, Mint Oils, Cold Pressed, Carriers Oils, Floral Absolutes and Allied products

Peak	Compound	RT	Area Sum %
1	Santene	5.85	0.11
2	5-Methylfurfural	7.335	0.01
3	para-Cymene	8.773	0.01
4	Limonene	8.871	0.03
5	para-Cymenene	10.329	0.04
6	Limona ketone	11.328	0.04
7	4-Methylacetophenone	12.756	0.07
8	unknown	14.002	0.03
9	unknown	15.519	0.11
10	Tricycloekasantalal	17.927	0.24
11	unknown	18.223	0.07
12	Dimethylbicyclo[3.1.1]hept-2-ene-6propanal	18.898	0.67
13	Di-epi- $\alpha$ -cedrene	20.267	0.1
14	unknown	21.314	0.08
15	$\gamma$ -4-Dimethylbenzenebutyral	21.451	0.23
16	$\alpha$ -Cedrene	21.931	0.86
17	cis- $\alpha$ -Bergamotene	22.273	0.3
18	$\beta$ -Cedrene	22.39	0.1
19	$\alpha$ -Santalene	22.55	0.6
20	trans- $\alpha$ -Bergamotene	23.583	0.26
21	epi- $\beta$ -Santalene	24.343	0.39
22	$\beta$ -Acoradiene	24.642	0.12
23	$\beta$ -Santalene	25.285	0.81
24	4-epi- $\alpha$ -Acoradiene	25.422	0.57
25	unknown	26.172	0.36
26	$\gamma$ -Curcumene	26.875	0.67
27	Ar-Curcumene	27.203	2.35
28	unknown	28.264	0.21
29	unknown	28.537	0.32
30	$\alpha$ -Bisabolene	28.975	0.25
31	$\beta$ -Bisabolene	29.477	1.72
32	Sesquicineole	29.857	2.95
33	$\beta$ -Sesquiphellandrene	30.766	0.28
34	Diepicedrene-1-oxide	31.374	0.24
35	cis- $\gamma$ -Bisabolene	31.561	0.18
36	8,14-Cedranoxide	31.745	0.47
37	unknown	32.537	0.25
38	(E)- $\alpha$ -Bisabolene	32.828	0.93
39	(E)-Nerolidol	35.361	2.33
40	unknown	35.55	0.23
41	unknown	35.933	1.07
42	Dendrolasin	36.328	0.19
43	unknown	36.772	0.1
44	unknown	37.061	0.09
45	unknown	37.572	0.19
46	unknown	37.831	0.1
47	unknown	38.23	0.08
48	unknown	38.496	0.21
49	unknown	41.062	0.09
50	unknown	41.37	0.09



Head Office : T -2 / 202, Mangolpuri Industrial Area, Phase - 1, Delhi - 110083

Factory :- Plot No. 2,3,4, Pratappura Industrial Area, Post Orchha Dist. Tikamgarh, Madhya Pradesh - 472 246, India

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51	unknown	41.778	0.46
52	unknown	42.673	0.23
53	unknown	45.567	0.08
54	$\alpha$ -Bisabolol oxide B, epimer 1	46.203	0.77
55	$\alpha$ -Bisabolol oxide B, epimer 2	46.622	0.58
56	unknown	47.182	0.59
57	Cedr-8-en-13-ol	47.684	1.18
58	unknown	48.293	0.56
59	unknown	48.476	0.52
60	$\beta$ -Bisabolol	49.177	3.02
61	(Z)- $\alpha$ -Santalol	50.2	4
62	epi- $\alpha$ -Bisabolol + $\alpha$ -Bisabolol	52.799	26.96
63	unknown	53.022	0.41
64	unknown	53.256	0.32
65	(Z)- $\alpha$ -trans-Bergamotol	54.372	1.49
66	(E)- $\alpha$ -Santalol	55.707	0.43
67	(Z)-epi- $\beta$ -Santalol	56.637	1.29
68	(Z)-Nuciferol + (2E,6E)-Farnesol + (Z)- $\beta$ -Santalol	59.307	16.38
69	unknown	60.337	0.8
70	unknown	60.942	0.24
71	unknown	61.675	0.56
72	unknown	62.191	0.39
73	unknown	62.811	1.3
74	(Z)- $\beta$ -Curcumen-12-ol	64.8	4.67
75	(Z)-Lanceol	65.986	6.71
76	unknown	66.332	0.59
77	unknown	68.146	0.64
78	unknown	72.157	1.81
79	unknown	77.172	0.47
80	unknown	80.43	0.31
81	unknown	93.2	0.06
82	unknown	93.633	0.07
83	unknown	94.817	0.03
84	unknown	96.652	0.08
85	unknown	97.641	0.05
86	unknown	98.063	0.09
87	unknown	98.092	0.02
88	unknown	101.437	0.1
89	unknown	101.756	0.04
	Total identified		85.50%

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