



FLORANANDA IND. E COM. DE COSMÉTICOS E PRODUTOS NATURAIS LTDA ME
Rua Elias Bichara Tabbal, 736. Jd. América - Jaú, SP
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CERTIFICADO DE ANÁLISE

Óleo essencial de Olíbano (*Boswellia carterii*)

LOTE	210202
DATA DE VALIDADE	11/2022
DATA DE FABRICAÇÃO	11/2020
ORIGEM	ÁFRICA
MÉTODO DE EXTRAÇÃO	DESTILAÇÃO À VAPOR DA RESINA DA ÁRVORE DA ESPÉCIE
RESULTADO	APROVADO

TESTE	ESPECIFICAÇÕES	RESULTADOS
ASPECTO	LÍQUIDO	OK
COR	AMARELO PÁLIDO	OK
ODOR	CARACTERÍSTICO	OK
DENSIDADE (20°C)	0.855 - 0.900	0.867
ÍNDICE DE REFRAÇÃO (20°C)	1.469 - 1.483	1.472

Armazenar em local seco, longe de umidade e do calor, protegido da luz, em recipiente original bem vedado.

Não contem OGM, nem foi utilizado para teste em animais.

Produto 100% puro, isento de solvente e diluente.

Segundo RDC 481/99, não suscetível à contaminação microbiológica.

Responsável Técnica: Gorete Vieira de Souza - CRQ 044100922



Produto certificado pelo IBD.

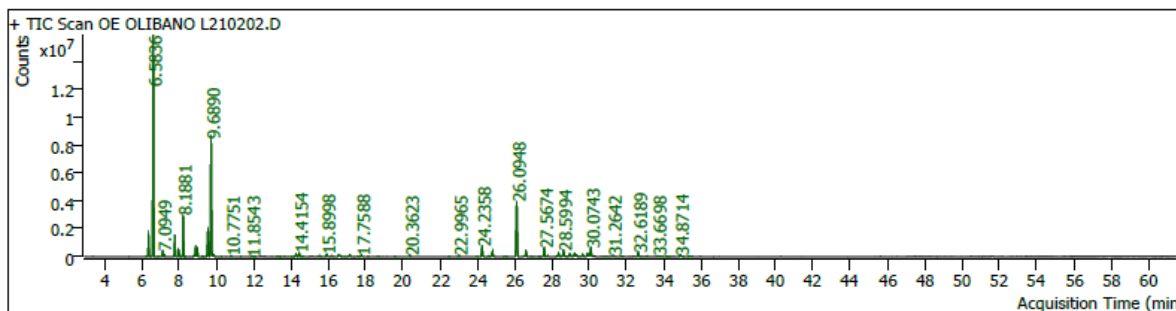


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Este documento apresenta uma cópia idêntica da cromatografia disponibilizada pelo fornecedor.

CROMATOGRAFIA

Óleo essencial de Olíbano (*Boswellia carterii*)
 Lote: 210202



Pk #	RT Min	Compound Name	CAS#	Peak Area	Component RI	Library RI	Match Factor	% of Total
4	6.2301	beta-Pinene	18172-67-3	119800.1	922		85.13	0.09
5	6.3338	THUJENE ALPHA 5.1448	2867-05-2	3382977.3	926	902	98.63	2.47
6	6.5836	PINENE<ALPHA-> 6.0514	80-56-8	43663282.7	934	970	99.71	31.87
7	6.8545	6.44 Thuja-2,4(10)-diene	36262-09-6	74427.8	943		81.50	0.05
8	7.0949	CAMPHENE 6.5344	79-92-5	960786.7	952	984	98.13	0.70
9	7.1938	6.44 Thuja-2,4(10)-diene	36262-09-6	282673.1	955		93.80	0.21
10	7.7451	sabinene	3387-41-5	3800682.5	974		98.37	2.77
						14086988		
						79		
11	7.9525	beta-Pinene	18172-67-3	1178235.1	981		99.27	0.86
						19319928		
						31		
12	8.0915	10.30 Mentha-3,8-diene<para->	586-67-4	30643.5	985		78.51	0.02
13	8.1881	MYRCENE 7.5878	123-35-3	7058155.9	989	1014	99.26	5.15
14	8.3153	Carveol	99-48-9	65933.6	993		79.60	0.05
16	8.7889	PINENE<BETA-> 7.3685	127-91-3	261656.4	1007		92.72	0.19
17	8.8667	alpha-phellandrene	99-83-2	1956878.0	1009		97.32	1.43
						14087388		
						15		
18	8.9515	CARENE<DELTA-3-> 8.1603	13466-78-9	1397571.6	1011	1010	97.66	1.02
19	9.2342	TERPINENE<ALPHA-> 8.5867	99-86-5	153995.3	1019	1042	94.36	0.11
20	9.3191	o-Cymene	527-84-4	18047.9	1021		83.46	0.01
21	9.5170	CYMENE<PARA-> 8.8647	99-87-6	5025099.8	1026	1050	98.28	3.67
22	9.6890	D-LIMONENE 9.0132	5989-27-5	24685550.0	1031	1054	99.64	18.02
23	9.7691	.beta.-Phellandrene	555-10-2	486152.6	1033		90.55	0.35
24	9.8421	Eucalyptol	470-82-6	310180.2	1035		92.94	0.23
25	10.2497	3-Carene	13466-78-9	35572.5	1045		89.78	0.03
27	10.7751	TERPINENE<GAMMA-> 10.0686	99-85-4	222101.1	1059	1084	94.04	0.16
28	11.2864	10.20 Sabinene hydrate<cis->(IPP vs OH)	17699-16-0	39081.4	1072		76.22	0.03
29	11.8543	TERPINOLENE 11.1336	586-62-9	79852.6	1087	1113	94.70	0.06
30	11.9556	cis-Verbenol	1845-30-3	60042.3	1090		81.93	0.04
31	12.0592	11.09 Cymenene<para->	1195-32-0	83703.8	1093		80.21	0.06
36	13.2515	Thujone	546-80-5	99142.7	1122		88.98	0.07
37	13.3881	12.33 Mentha-2,8-dien-1-ol<trans-para->	7212-40-0	74037.5	1125		78.97	0.05
39	13.6190	.alpha.-Campholenal	4501-58-0	107269.7	1130		92.36	0.08
41	14.0031	cis-p-Mentha-2,8-dien-1-ol	3886-78-0	44861.4	1139		81.20	0.03
42	14.1327	13.10 Sabinol<trans-> (trans for OH vs. IPP)	29606-76-6	12838.3	1142		74.88	0.01
43	14.2457	12.99 Pinocarveol<trans->	547-61-5	634832.2	1145		93.52	0.46
44	14.4154	trans-Verbenol	1820-09-3	885557.3	1149		97.82	0.65
46	14.6251	p-Mentha-1,5-dien-8-ol	1686-20-0	136556.8	1154		90.31	0.10
50	15.5110	p-Mentha-1,5-dien-8-ol	1686-20-0	219152.7	1175		91.31	0.16
52	15.8998	4-Carvomenthenol; terpinene-4-ol	562-74-3	570473.7	1184		97.35	0.42
						21160207		
						35		
53	16.1613	14.91 Cymen-8-ol<para->	1197-01-9	213972.2	1190		89.35	0.16



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55	16.5265	alpha-Terpineol	10482-56-1	392831.5	1199	1540388865	96.83	0.29
56	16.6042	15.56 Myrtenal	564-94-3	235610.8	1200		77.31	0.17
58	16.8893	Bicyclo[3.1.0]hexan-3-ol, 4-methylene-1-(1-methylethyl)-, (1.alpha.,3.alpha.,5.alpha.)-	3310-02-9	58996.9	1207		85.79	0.04
59	17.1297	15.97 Verbenone	80-57-9	504934.0	1213		92.98	0.37
60	17.5467	16.44 Carveol<trans->	1197-07-5	170115.7	1222		90.08	0.12
61	17.7588	1-Methoxydecane	7289-52-3	431447.6	1227		94.83	0.31
62	18.1240	Carveol	99-48-9	48871.0	1235		85.37	0.04
64	18.6659	CARVONE 16.6689	99-49-0	134764.2	1248	984	91.66	0.10
65	19.5636	3,5-Dimethoxytoluene	4179-19-5	79815.2	1269		93.31	0.06
66	20.3623	19.62 Bornyl acetate	76-49-3	383875.1	1287		95.29	0.28
68	22.4781	21.77 Elemene<delta->	20307-84-0	87694.5	1336		86.86	0.06
69	22.9965	Copaene	3856-25-5	353497.9	1348		93.08	0.26
70	23.9601	Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-	483-75-0	87836.8	1371		87.68	0.06
71	24.2358	23.49 Copaene<alpha->	3856-25-5	2412527.6	1377		97.66	1.76
72	24.5869	(-)-.beta.-Bourbonene	5208-59-3	189992.1	1386		92.87	0.14
73	24.7989	ELEMENE BETA 22.6838	515-13-9	1360570.2	1391		96.42	0.99
74	25.4304	24.54 Cyperene	2387-78-2	86023.9	1406		89.37	0.06
75	25.5647	25.00 Gurjunene<alpha->	489-40-7	79515.1	1409		87.17	0.06
77	26.0948	CARYOPHYLLENE<(E)-> 25.1199 (BETA-)	87-44-5	14262891.1	1422	1449	99.67	10.41
78	26.5990	trans-.alpha.-Bergamotene	13474-59-4	1172151.6	1434		98.35	0.86
79	26.8747	GAMMA-MUUROLENE 27.6839	30021-74-0	61133.3	1441	1435	88.94	0.04
81	27.2941	cis-muurolo-3,5-diene	1000365-95-4	57427.8	1451		80.98	0.04
82	27.5674	26.82 Humulene<alpha->	6753-98-6	2181266.2	1458		94.85	1.59
83	27.7464	27.33 Caryophyllene<9-epi-(E)->	68832-35-9	269507.0	1462		93.60	0.20
84	28.2271	27.77 Cadina-1(6),4-diene<trans->	20085-11-4	58992.9	1474		83.44	0.04
85	28.3425	.gamma.-Muurolole	30021-74-0	867161.3	1477		96.31	0.63
86	28.5994	Germacrene D	23986-74-5	1626714.2	1483		94.22	1.19
88	28.8444	1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4,5,6,7b-octahydro-1,1,3a,7-tetramethyl-, [1aR-(1a.alpha.,3a.alpha.,7b.alpha.)]-	489-29-2	58816.6	1489		86.11	0.04
89	28.9387	28.37 Selinene<beta->	17066-67-0	746050.1	1491		95.58	0.54
90	29.0517	(+)-epi-Bicyclosquiphellandrene	54274-73-6	166640.4	1494		89.52	0.12
91	29.2049	27.80 Gurjunene<gamma->	22567-17-5	915069.3	1498		94.14	0.67
92	29.3015	.alpha.-Muurolole	10208-80-7	456447.5	1500		89.12	0.33
94	29.6314	.beta.-Bisabolene	495-61-4	522122.8	1509		96.86	0.38
95	29.8882	29.35 Cadinene<gamma->	39029-41-9	738491.9	1515		94.72	0.54
96	29.9801	29.41 Cubebol	23445-02-5	517279.8	1518		87.07	0.38
97	30.0743	29.72 Cadinene<delta->	483-76-1	2081268.5	1520		94.41	1.52
100	30.8118	.alpha.-Muurolole	10208-80-7	76289.8	1539		87.64	0.06
103	31.2642	30.78 Elemol	639-99-6	409310.7	1551		93.99	0.30
104	31.7024	31.24 Germacrene B	15423-57-1	191966.1	1562		92.68	0.14
108	32.6189	32.16 Caryophyllene oxide	1139-30-6	1108909.8	1585		95.67	0.81
110	33.0925	.beta.-Humulene	116-04-1	164329.7	1598		89.08	0.12
112	33.6698	Caryophyllene oxide	1139-30-6	210174.7	1613		81.85	0.15
113	33.8182	Guaiyl acetate	134-28-1	163753.8	1617		78.95	0.12
114	34.1599	Junenol	472-07-1	88314.4	1626		82.43	0.06
115	34.3507	33.95 Cubenol<1-epi->	19912-67-5	63386.0	1631		79.51	0.05
117	34.8714	.tau.-Cadinol	5937-11-1	624901.6	1645		95.00	0.46
118	35.0434	34.61 Muurolol<alpha-> (=Torreyol)	19435-97-3	74218.5	1650		77.90	0.05
119	35.3733	34.93 Cadinol<alpha->	481-34-5	131909.5	1659		84.53	0.10