



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 Vetivert (*Vetiveria zizanoides*)

<b>LOTE</b>	260508
<b>DATA DE VALIDADE</b>	03/2028
<b>DATA DE FABRICAÇÃO</b>	03/2026
<b>ORIGEM</b>	BRASIL
<b>MÉTODO DE EXTRAÇÃO</b>	DESTILAÇÃO A VAPOR DAS RAÍZES
<b>RESULTADO</b>	APROVADO

<b>TESTE</b>	<b>ESPECIFICAÇÕES</b>	<b>RESULTADOS</b>
<b>ASPECTO</b>	LÍQUIDO VISCOSO	OK
<b>COR</b>	MARROM AVERMELHADO A MARROM ESCURO	OK
<b>ODOR</b>	SECO, AMADEIRADO, QUENTE	OK
<b>DENSIDADE (20°C)</b>	0,980 - 1,025	1,008
<b>ÍNDICE DE REFRAÇÃO (20°C)</b>	1,522 - 1,530	1,525

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 microbológica.

Responsável Técnica: Gorete Vieira de Souza - CRQ 044100922

Produto certificado pelo IBD.



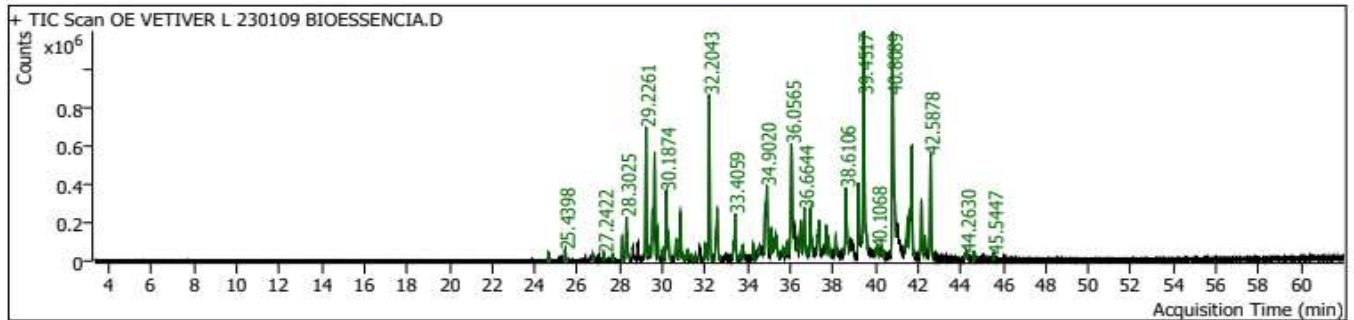


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Este documento apresenta uma cópia idêntica da cromatografia disponibilizada pelo fornecedor.

## CROMATOGRAFIA

Óleo essencial de Vetiver (*Vetiveria zizanoides*)  
 Lote: 260508



Pk #	RT Min	Compound Name	CAS#	Peak Area	Component RI	Library RI	Match Factor	% of Total
1	24.6528	Ylangene	14912-44-8	180877.1	1387		89.17	0.31
3	25.4398	(3aR,6R,8aS)-7,7-Dimethyl-8-methyleneoctahydro-1H-3a,6-methanoazulene	82026-02-6	197379.6	1406		87.38	0.34
6	26.7215	GURJUNENE<ALPHA-> 25.6122	489-40-7	71541.3	1437	1410	82.69	0.12
9	27.2422	cis-Muurolo-4(15),5-diene	157477-72-0	132223.7	1450		85.02	0.23
10	27.6616	26.39 Guaiadiene<6,9->	37839-64-8	91764.7	1460		87.64	0.16
11	28.1093	(3S,3aS,6R,8aS)-3,8,8-Trimethyl-7-methyleneoctahydro-1H-3a,6-methanoazulene	31145-21-8	424496.2	1471		95.39	0.74
12	28.3025	26.85 Xhusimene	18444-94-5	1065118.2	1476		95.96	1.85
17	29.2261	28.83 Muurolole<alpha->	31983-22-9	2385712.7	1498		94.59	4.14
18	29.3957	28.38 Vetspirene<alpha->	51196-11-3	121059.6	1503		74.94	0.21
19	29.5371	GURJUNENE<ALPHA-> 25.6122	489-40-7	829485.6	1506	1410	95.54	1.44
20	29.6313	28.53 Vetspirene<beta->	28908-27-2	1901546.3	1509		82.77	3.30
21	29.7774	MUUROLENE<GAMMA-> 28.3356	30021-74-0	542364.2	1513	1477	97.21	0.94
22	30.0295	CADINENE<GAMMA-> 29.8789	39029-41-9	154600.5	1519	1515	94.43	0.27
23	30.1874	CADINENE<DELTA-> 30.0983	483-76-1	1339502.3	1523	1521	98.05	2.32
24	30.2864	Bicyclo[4.4.0]dec-6-en-9.beta.-ol, 1,7-dimethyl-4.alpha.-isopropenyl-	1000196-33-2	472111.9	1526		84.09	0.82
25	30.6398	29.53 Nootkatene	5090-61-9	468816.3	1535		89.78	0.81
26	30.8448	GURJUNENE<ALPHA-> 25.6122	489-40-7	1047665.6	1540	1410	94.09	1.82
27	30.9814	29.97 Zonarene	41929-05-9	78863.0	1543		81.77	0.14
28	31.1558	30.09 Vetivenene<gamma->	28908-26-1	164618.6	1548		94.01	0.29
29	31.3655	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	71240.6	1553		85.50	0.12
30	31.5351	30.66 Selina-3,7(11)-diene	6813-21-4	65943.5	1558		85.50	0.11
32	31.9969	ELEMOL 31.2670	8024-27-9	499768.5	1569		87.94	0.87
33	32.2043	31.02 Vetivenene<beta->	27840-40-0	3096248.7	1575		88.47	5.37
34	32.5647	34.91 Eudesmol<alpha->	473-16-5	1448890.3	1584		86.12	2.51
37	33.3446	30.88 Occidentalol	473-17-6	200093.5	1604		82.90	0.35
38	33.4059	3,5,11-Eudesmatriene	193615-07-5	881806.8	1606		90.71	1.53
40	33.7405	MUUROLENE<GAMMA-> 28.3356	30021-74-0	360006.4	1615	1477	91.55	0.62
43	34.2659	10s,11s-Himachala-3(12),4-diene	60909-28-6	264359.9	1629		90.38	0.46
45	34.5580	Cadina-1(10),6,8-triene	1460-96-4	67596.9	1637		83.85	0.12
48	34.8149	33.95 Cubenol<1-epi->	19912-67-5	862087.0	1644		88.63	1.49
49	34.9020	Selin-6-en-4.alpha.-ol	118173-08-3	1562615.4	1646		84.66	2.71
50	35.1047	.gamma.-HIMACHALENE	1000140-08-0	552868.2	1652		82.19	0.96
51	35.2248	EUDESMOL<GAMMA-> 34.5065 (SELINENOL)	1209-71-8	298517.8	1655	1635	86.37	0.52
52	35.3214	33.60 Cubenol<1,10-di-epi->	73365-77-2	737578.6	1657		83.10	1.28
54	35.6772	34.42 Cedrenal<1,7-diepi-alpha->	288249-27-4	117508.8	1667		81.58	0.20
55	35.8798	34.93 Cadinol<alpha->	481-34-5	368510.5	1672		84.82	0.64
56	36.0565	34.93 Cadinol<alpha->	481-34-5	2882959.0	1677		92.03	5.00



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58	36.3346	36.30 Cedren-13-ol<8->	18319-40-9	223532.6	1685		77.95	0.39
59	36.4924	CEDROXYDE (FIRMENICH) 36.3655 1/2*	71735-79-0	691230.3	1689	1745	83.22	1.20
60	36.6644	35.54 Zizanone<epi->	28624-27-3	1019686.5	1694		87.88	1.77
61	36.9472	(2R,3R,3aR,6R,8aS)-3,7,7-Trimethyl-8-methyleneoctahydro-1H-3a,6-methanoazulen-2-ol	28102-79-6	1120023.2	1701		93.43	1.94
63	37.3524	(3S,3aS,5R,6S,7aS)-3,6,7,7-Tetramethyloctahydro-3a,6-ethanoiden-5-ol	66512-56-9	939832.7	1713		88.98	1.63
65	37.6846	36.74 Eudesm-7(11)-en-4-ol	473-04-1	583587.1	1722		89.92	1.01
66	37.8119	VETIVER OIL ACET MJ COMP 41.1934 1/2*	352461-71-3	266061.0	1726	1857	84.50	0.46
67	38.1394	Naphthalene, 1,2,4a,5,8,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)-(./-.)-	5951-61-1	340882.5	1735		90.17	0.59
70	38.6106	37.84 Vetiselinol	28102-68-3	2054292.5	1748		94.65	3.56
73	39.2020	.alpha.-Isonootkatol	1380573-94-3	1162005.0	1765		93.57	2.01
75	39.4517	38.26 Khusimol	16223-63-5	5196257.0	1772		97.15	9.01
76	40.1068	(E)-3-((4S,7R,7aR)-3,7-Dimethyl-2,4,5,6,7,7a-hexahydro-1H-inden-4-yl)-2-methylacrylaldehyde	4176-16-3	233297.3	1790		81.24	0.40
78	40.3282	3,5,11-Eudesmatriene	193615-07-5	132132.5	1797		80.15	0.23
80	40.8089	40.15 Isovalencenol<(E)->	22387-74-2	6069243.3	1811		91.56	10.52
82	41.5110	40.80 Vetivenic acid	16203-25-1	757125.5	1832		91.57	1.31
83	41.6312	(E)-2-((8R,8aS)-8,8a-Dimethyl-3,4,6,7,8,8a-hexahydronaphthalen-2(1H)-ylidene)propanal	137695-18-2	703255.6	1835		95.14	1.22
84	41.7066	41.20 Vetivone<beta->	18444-79-6	2306350.4	1837		88.92	4.00
85	42.1590	(E)-2-((8R,8aS)-8,8a-Dimethyl-3,4,6,7,8,8a-hexahydronaphthalen-2(1H)-ylidene)propanal	137695-18-2	1148232.1	1851		95.74	1.99
86	42.3310	VETIVER OIL ACET MJ COMP 42.5199 2/2	101527-74-6	314472.6	1856	1896	93.19	0.55
88	42.5878	41.89 Vetivone<alpha->	15764-04-2	2006939.5	1864		96.86	3.48
90	44.2630	39.01 Aristolone	6831-17-0	146420.1	1914		80.33	0.25
92	44.6353	2(3H)-Naphthalenone, 4,4a,5,6,7,8-hexahydro-4a,5-dimethyl-3-(1-methylethylidene)-, (4ar-cis)-	19598-45-9	124371.7	1926		82.02	0.22
94	45.5447	42.05 Eremophilone<8-hydroxy->	5090-90-4	99093.1	1954		62.87	0.17