

CERTIFICATE OF ANALYSIS

Name: Cajuput oil
Product Number: 121176
Your Product Number:
Plant/ animal latin name: *Melaleuca cajuputi*
Quality, certificate: EU organic
Origin: Vietnam
Lot Number: 10060
Produced: 092019
Date of analysis: 18.11.2019
Retest: after two years

Parameters	Specifications	Results
Odor and appearance	sweet fresh camphor rosemary eucalyptus herbal green/ colorless	conform
Specific gravity	0.858 - 0.940 @ 20°C	0.9164
Refractive index	1.454 - 1.492 @ 20°C	1.4672
Optical rotation	na	
GC-FID	Conform to standard	conform, see analysis

Date 18.11.2019

Certificate of Analysis

Product: 121176 Melaleuca cajeputi organic 10060

Lot: 10060

Date of analysis: 11.11.2019 15:18:40

System: GC-430 FID

Column: 8GB Wax 60m / 0.25mm / 0.25um

Method: 180306 essential basis 60min

Index	Name	Time [Min]	Area [UV.Min]	Area % ro/ol	Allergene
1	alpha-Pinene	7.03	1144.8	1.620	
2	alpha-Thuiene	7.08	93.4	0.132	
3		7.84	24.0	0.034	
4	beta-Pinene	8.65	856.4	1.212	
5	Mircene	9.74	1067.3	1.510	
6		9.85	86.2	0.122	
7		9.95	46.4	0.066	
8	alpha-Terpinene	10.17	278.5	0.394	
9	Limonene	10.61	3740.1	5.293	Directive 2003/15EC (7th)
10	1,8-Cineole	10.88	41469.5	58.687	
11	gamma-Terpinene	11.65	879.1	1.244	
12	trans-beta-Ocimene	11.72	15.5	0.022	
13	n-Cymene	12.24	324.7	0.460	
14	Terpinolene	12.50	518.9	0.734	
15		16.99	144.2	0.204	
16		17.19	52.4	0.074	
17	Benzaldehyde	17.91	126.3	0.179	
18	Linalool	18.04	1997.8	2.827	Directive 2003/15EC (7th)
19		18.91	51.3	0.073	
20		19.19	65.1	0.092	
21	Terpinene-4-ol	19.33	637.8	0.903	
22	beta-Carvophyllene	19.40	1002.3	1.418	
23		19.50	64.1	0.091	
24		20.10	58.2	0.082	
25		20.65	208.7	0.295	
26		20.69	121.7	0.172	
27	alpha-Humulene	20.83	682.3	0.966	
28		20.89	141.2	0.200	
29	alpha-Terpineol	21.14	9342.1	13.221	
30		21.17	22.7	0.032	
31		21.19	250.3	0.354	
32		21.26	24.6	0.035	
33		21.44	65.6	0.093	
34		21.58	62.6	0.089	
35		21.65	240.1	0.340	
36	beta-Selinene	21.80	709.4	1.004	
37	alpha-Selinene	21.87	679.3	0.961	
38		21.95	22.7	0.032	

This data sheet was issued to the best of our knowledge and is supplied without warranty for its correctness or accuracy.

Process date:
15.11.2019
18:55:02

Certificate of Analysis

Product: 121176 Melaleuca cajeputi organic 10060

Lot: 10060

Date of analysis: 11.11.2019 15:18:40

System: GC-430 FID

Column: 8GB Wax 60m / 0.25mm / 0.25um

Method: 180306 essential basis 60min

Index	Name	Time rMinl	Area ruV.Minl	Area % rolol	Allergene
39		22.21	87.5	0.124	
40		22.39	84.4	0.119	
41		22.59	44.0	0.062	
42		22.88	166.9	0.236	
43		22.95	30.6	0.043	
44	Geraniol	23.75	276.9	0.392	Directive 2003/15EC {7th}
45		23.80	62.4	0.088	
46		25.16	64.4	0.091	
47		25.30	112.8	0.160	
48		26.51	72.1	0.102	
49		27.44	34.0	0.048	
50		27.83	47.7	0.068	
51		27.99	626.9	0.887	
52		29.00	124.4	0.176	
53		29.38	268.3	0.380	
54		29.58	126.0	0.178	
55		29.76	80.6	0.114	
56		30.14	110.1	0.156	
57		30.40	404.6	0.573	
58		30.59	455.0	0.644	
59		31.04	65.4	0.093	
Total			70662.7	100.000	

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