



NATURAL INGREDIENTS ETHICALLY SOURCED

GCMS ANALYSIS

PRODUCT NAME: CITRONELLA ESSENTIAL OIL (JAVA) - 11229

PEAK	RT (MIN)	COMPOUND NAME	%
1	5.20	CYCLOALKYL COMPOUND	0.01
2	6.54	TERPENIC COMPOUND	0.03
3	6.85	TRICYCLENE	0.03
4	7.16	α -PINENE	0.10
5	7.20	α -THUYENE	0.02
6	8.33	CAMPHENE	0.09
7	9.79	β -PINENE	0.01
8	10.35	SABINENE	0.02
9	12.36	β -MYRCENE	0.10
10	12.41	α -PHELLANDRENE	0.02
11	13.19	α -TERPINENE	0.01
12	14.31	LIMONENE	3.66
13	14.76	β -PHELLANDRENE	0.05
14	16.38	cis- β -OCIMENE	0.10
15	16.94	γ -TERPINENE	0.02
16	17.39	trans- β -OCIMENE	0.06
17	18.35	p-CYMENE	0.01
18	19.16	TERPINOLENE	0.08
19	22.60	5-HEPTEN-2-ONE, 6-METHYL-	0.06
20	23.67	5-HEPTENAL, 2,6-DIMETHYL-	0.07
21	24.52	ROSE trans-OXIDE	0.01
22	27.89	cis-p-MENTHANE-8-OL	0.02
23	28.22	trans-p-MENTHANE-8-OL	0.02
24	30.51	MENTHONE	0.04
25	30.61	α -CUBEENE	0.02
26	32.04	CITRONELLAL	39.93
27	32.68	α -COPAENE	0.04
28	32.98	DECANAL	0.08
29	33.55	α -BOURBONENE	0.01
30	33.98	β -BOURBONENE	0.10

Disclaimer & Caution

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31	34.29	SESQUITERPENE	0.03
32	35.20	β 1-CUBEBENE	0.05
33	35.61	LINALOOL	0.79
34	36.14	1-OCTANOL	0.02
35	36.26	NEOISOPULEGOL	0.33
36	36.78	ISOPULEGOL	0.90
37	37.15	epsilon-CADINENE	0.04
38	37.46	ELEMENE ISOMER	0.07
39	37.92	α -trans-BERGAMOTENE	0.05
40	38.15	β-ELEMENE	1.45
41	38.36	β -CARYOPHYLLENE	0.42
42	38.57	TERPINENE-4-OL	0.05
43	38.91	6,9-GUAIADIENE	0.02
44	39.73	ISOISOPULEGOL	0.06
45	40.39	CADINA-3,5-DIENE	0.03
46	40.79	GERMACRENE A	0.05
47	41.46	MELONOL	0.05
48	41.93	ZONARENE	0.04
49	42.17	CITRONELLYL ACETATE	1.70
50	42.34	α -HUMULENE	0.12
51	42.55	cis-4,5-MUROLADIENE	0.07
52	42.70	γ -SELINENE	0.02
53	43.01	NERAL	0.37
54	43.47	γ -MUUROLENE	0.15
55	43.78	α -TERPINEOL	0.07
56	43.80	BORNEOL	0.02
57	44.25	GERANYL FORMATE	0.02
58	44.61	GERMACRENE D	1.74
59	44.86	MUROLADIENE ISOMER	0.06
60	45.03	β -SELINENE	0.03

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61	45.10	NERYL ACETATE	0.03
62	45.45	α -MUUROLENE	0.38
63	45.72	GERANIAL	0.57
64	45.80	BICYCLOGERMACRENE	0.04
65	47.11	GERANYL ACETATE	4.10
66	47.18	δ-CADINENE	0.40
67	47.31	γ -CADINENE	0.04
68	47.59	CITRONELLOL	10.81
69	48.45	MYRTENOL	0.02
70	48.50	CADINA-1,4-DIENE	0.03
71	48.94	α -AMORPHENE	0.10
72	49.05	NEROL	0.20
73	49.53	CITRONELLYL BUTYRATE	0.06
74	50.68	GERMACRENE B	0.02
75	51.64	GERANIOL	22.30
76	53.77	Epi-CUBEBOL	0.08
77	54.04	GERANYL BUTYRATE	0.12
78	55.32	SESQUITERPENIC COMPOUND	0.02
79	56.19	CUBEBOL	0.11
80	57.58	SESQUITERPENOL	0.01
81	58.06	ALIPHATIC ESTER	0.01
82	58.18	SESQUITERPENIC COMPOUND	0.02
83	58.83	SESQUITERPENOL	0.08
84	59.19	METHYLEUGENOL	0.02
85	60.09	SESQUITERPENOL	0.03
86	61.22	GERMACRENE D-4-OL	0.83
87	61.50	Epi-CUBENOL	0.07
88	61.84	CUBENOL	0.05
89	62.55	ELEMOL	2.82
90	63.14	GERANYL CAPROATE	0.02

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PEAK	RT (MIN)	COMPOUND NAME	%
91	63.48	10-epi- γ -EUDESMOL	0.02
92	65.76	EUGENOL	0.77
93	66.33	γ -EUDESMOL	0.18
94	66.40	T-CADINOL	0.20
95	66.72	METHYLISOEUGENOL	0.07
96	66.89	AGAROSPIROL	0.01
97	67.11	α -MUUROL	0.25
98	67.57	δ -CADINOL	0.07
99	68.21	α -BISABOL	0.02
100	68.59	α -EUDESMOL	0.17
101	68.96	α -CADINOL	0.67
102	69.56	CITRONELIC ACID	0.11
103	69.83	EUDESMA-7(11)-EN-4-OL	0.02
104	70.56	FARNESYL ACETATE	0.02
105	71.71	TERPENIC COMPOUND	0.01
106	73.30	ISOEUGENOL	0.14
107	74.02	E,E-FARNESOL	0.05
108	74.99	GERANYLGERANIOL ISOMER	0.06
109	80.73	EUGENOL, METHOXY-	0.02
110	87.94	ALIPHATIC ESTER	0.02
111	100.05	AROMATIC COMPOUND	0.03
		TOTAL	99.87

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