

Certificate of Analysis

Product: **Levisticum officinale 2079**

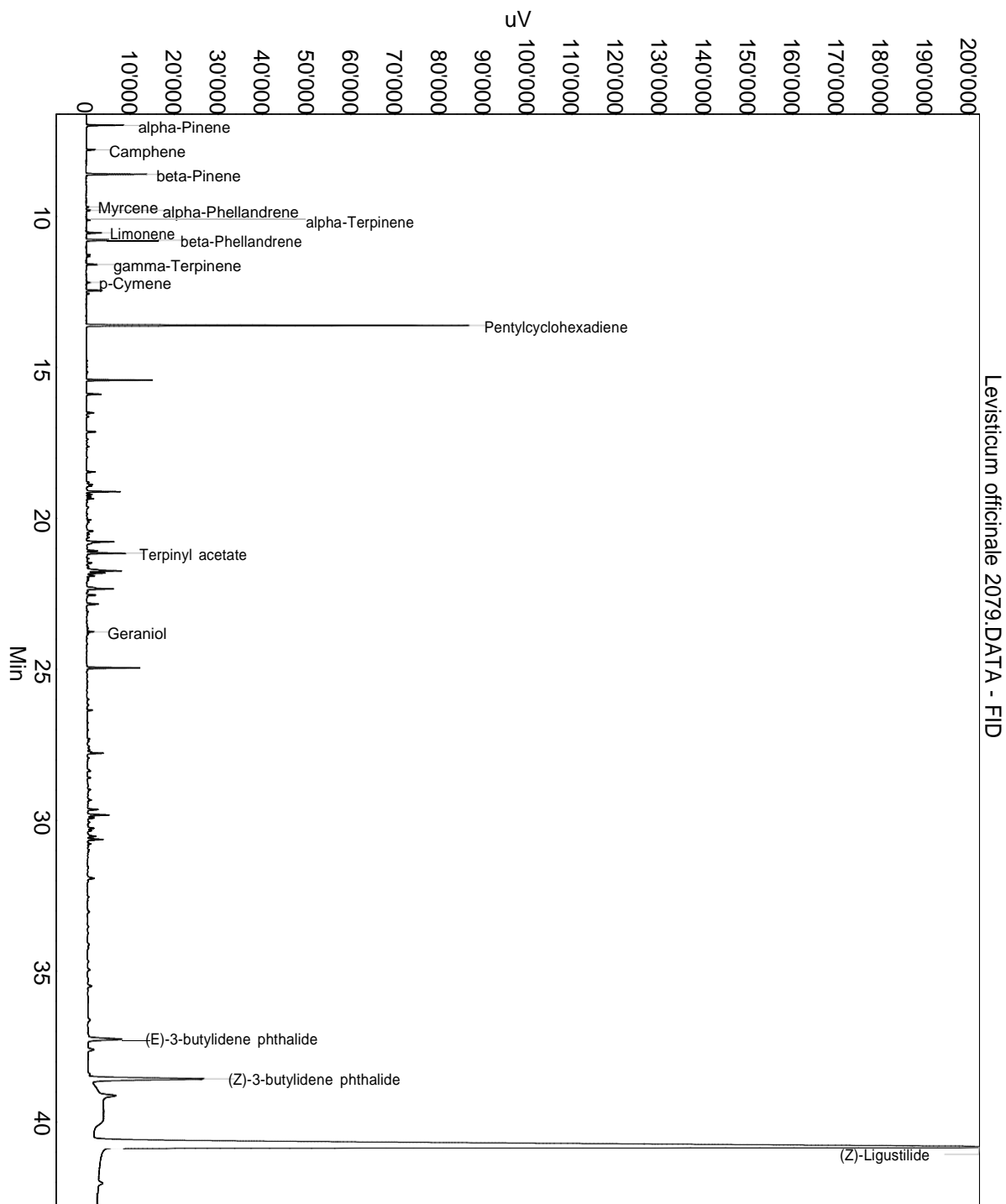
Lot: 2079

Date of analysis: 19.09.2019 14:07:56

System: GC-430 FID

Column: BGB Wax 60m / 0.25mm / 0.25um

Method: 180306 essential basis 60min



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

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Index	Name	Time [Min]	Area [uV.Min]	Area % [%]	Allergene
1	alpha-Pinene	6.98	245.1	0.518	
2	Camphene	7.79	63.2	0.134	
3	beta-Pinene	8.60	416.7	0.880	
4	Myrcene	9.69	20.3	0.043	
5	alpha-Phellandrene	9.80	31.6	0.067	
6	alpha-Terpinene	10.12	28.6	0.060	
7	Limonene	10.54	110.5	0.234	Directive 2003/15EC (7th)
8	beta-Phellandrene	10.78	514.5	1.087	
9		11.27	27.6	0.058	
10		11.32	25.6	0.054	
11	gamma-Terpinene	11.59	79.4	0.168	
12	p-Cymene	12.19	30.9	0.065	
13		12.45	112.2	0.237	
14	Pentylcyclohexadiene	13.61	2630.0	5.557	
15		15.42	452.9	0.957	
16		15.89	109.4	0.231	
17		16.50	63.3	0.134	
18		17.13	67.4	0.142	
19		18.46	68.4	0.145	
20		18.88	39.9	0.084	
21		18.93	36.1	0.076	
22		19.12	245.3	0.518	
23		19.21	39.1	0.083	
24		19.28	32.3	0.068	
25		19.35	50.0	0.106	
26		20.05	32.7	0.069	
27		20.42	63.6	0.134	
28		20.78	264.6	0.559	
29		21.08	79.1	0.167	
30	Terpinyl acetate	21.16	301.6	0.637	
31		21.48	50.1	0.106	
32		21.74	340.2	0.719	
33		21.81	144.9	0.306	
34		21.91	64.9	0.137	
35		21.98	14.8	0.031	
36		22.30	58.7	0.124	
37		22.34	202.2	0.427	
38		22.43	17.9	0.038	

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39		22.54	71.8	0.152	
40		22.61	11.0	0.023	
41		22.84	105.2	0.222	
42	Geraniol	23.76	55.0	0.116	Directive 2003/15EC (7th)
43		23.83	16.3	0.034	
44		24.95	398.6	0.842	
45		26.36	39.3	0.083	
46		27.78	138.2	0.292	
47		29.65	90.7	0.192	
48		29.83	212.9	0.450	
49		29.92	56.9	0.120	
50		30.27	60.6	0.128	
51		30.34	35.9	0.076	
52		30.53	93.7	0.198	
53		30.64	147.7	0.312	
54		31.93	81.9	0.173	
55	(E)-3-butylidene phthalide	37.26	567.6	1.199	
56		37.60	95.0	0.201	
57	(Z)-3-butylidene phthalide	38.57	2123.7	4.487	
58		39.13	314.6	0.665	
59	(Z)-Ligustilide	40.84	34090.1	72.027	
60		42.85	497.7	1.052	
61		45.96	547.9	1.158	
62		48.04	301.7	0.637	
Total			47329.5	100.000	

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