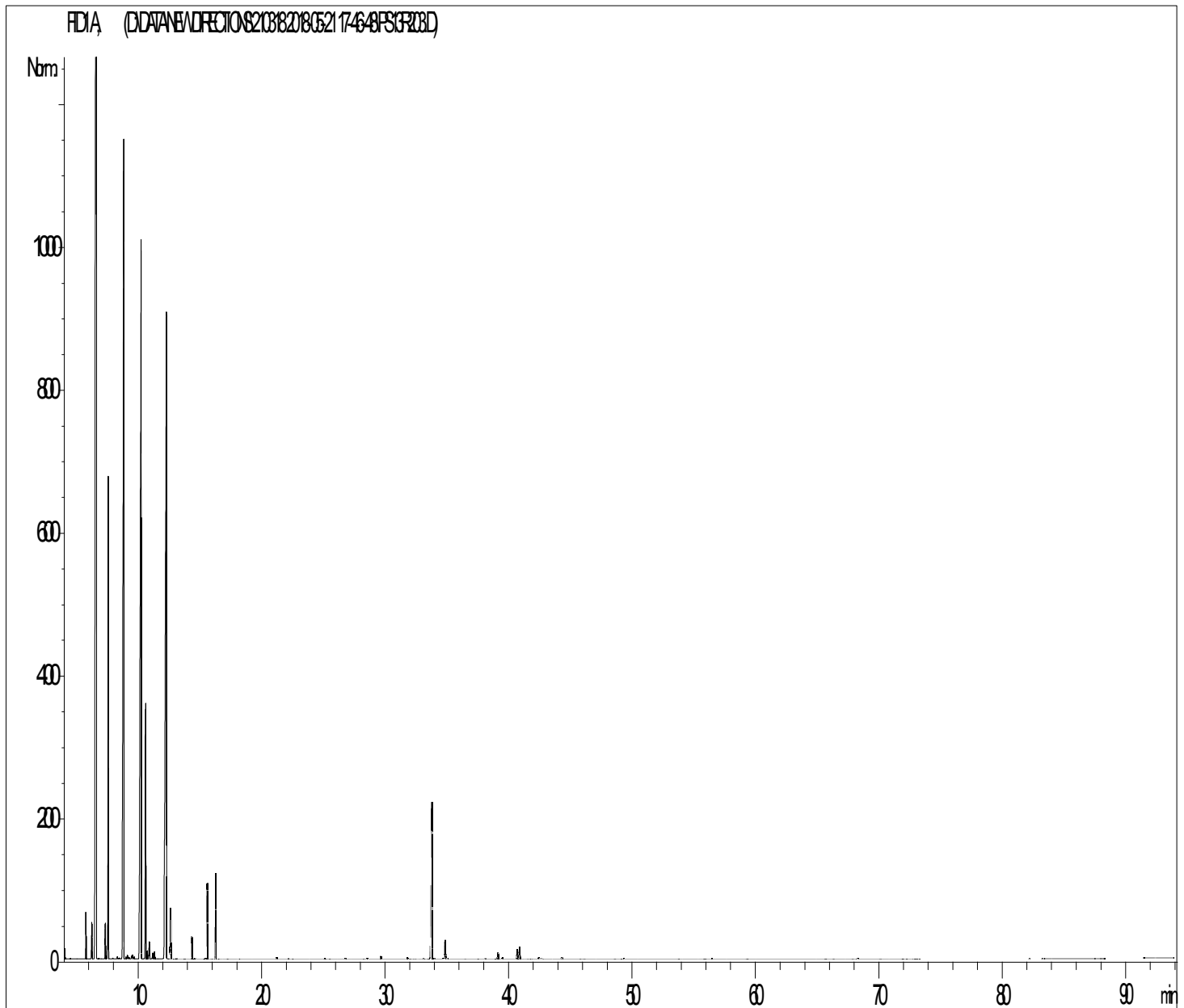


GCMS ANALYSIS

Product Name: Pine Scotch Essential Oil (Hungary)

Date: May 28, 2018



Product Name: Pine Scotch Essential Oil (Hungary) Cont'd
Date: May 28, 2018

Peak	RT (min)	Compound name	%
1	4,0	ACETONE	0,05
2	5,8	SANTENE	0,37
3	6,2	TRICYCLEN	0,40
4	6,5	alpha-PINENE	32,65
5	6,6	alpha-THUYENE	0,01
6	7,3	alpha-FENCHENE	0,34
7	7,5	CAMPHENE	5,24
8	7,9	MENTHENE ISOMER	0,01
9	8,3	COMPOUND Mw=138	0,03
10	8,4	COMPOUND Mw=136	0,01
11	8,8	beta-PINENE	15,01
12	9,0	TERPENE ISOMER	0,02
13	9,1	SABINENE	0,06
14	9,2	PINADIENE	0,02
15	9,4	delta2-CARENE	0,03
16	9,5	TERPENE ISOMER	0,05
17	9,6	p-MENTH-2-ENE	0,03
18	10,2	delta3-CARENE	15,77
19	10,6	beta-MYRCENE	3,15
20	10,7	alpha-PHELLANDRENE	0,08
21	10,8	TERPENE ISOMER	0,03
22	10,9	psi-LIMONENE	0,19
23	11,1	o-CYMENE	0,07
24	11,3	alpha-TERPINENE	0,08
25	12,2	LIMONENE	17,55
26	12,4	1,8-CINEOLE	0,13
27	12,5	beta-PHELLANDRENE	0,59
28	12,8	MENTHATRIENE ISOMER	0,01
29	13,0	2-HEXENAL	0,01
30	13,1	MENTHATRIENE ISOMER	0,01

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Product Name: Pine Scotch Essential Oil (Hungary) Cont'd
Date: May 28, 2018

Peak	RT (min)	Compound name	%
31	13,7	Cis-beta-OCIMENE	0,01
32	14,3	gamma-TERPINENE	0,30
33	14,5	Trans-beta-OCIMENE	0,01
34	15,4	m-CYMENE	0,02
35	15,5	p-CYMENE	1,06
36	16,2	TERPINOLENE	1,26
37	16,5	TERPENE ISOMER	0,01
38	17,2	CYMENE ISOMER	0,01
39	18,2	PINOL	0,01
40	21,2	alpha-PINENE OXIDE	0,04
41	22,1	2-DECANONE	0,01
42	22,5	FENCHONE	0,01
43	25,0	alpha,p-DIMETHYLSTYRENE	0,02
44	26,7	EPOXY-4,8-TERPINOLENE	0,02
45	28,1	alpha-CAMPHOLENAL	0,02
46	28,5	alpha-COPAENE	0,03
47	29,6	CAMPHOR	0,06
48	31,7	SESQUITERPENE	0,03
49	33,0	LONGIFOLENE	0,02
50	33,5	COMPOUND Mw=152	0,02
51	33,8	BORNYL ACETATE	3,66
52	33,9	FENCHOL	0,02
53	34,0	ISOBORNYL ACETATE	0,02
54	34,6	CAMPHENE HYDRATE	0,02
55	34,8	beta-CARYOPHYLLENE	0,37
56	35,0	TERPINENE-4-OL	0,03
57	38,0	Trans-PINOCARVEOL	0,02
58	39,0	ESTRAGOL + alpha-HUMULENE	0,13
59	39,5	VERBENOL	0,04
60	40,6	alpha-TERPINEOL	0,16

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Product Name: Pine Scotch Essential Oil (Hungary) Cont'd
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Peak	RT (min)	Compound name	%
61	40,8	BORNEOL	0,21
62	40,9	TERPENIC ACETATE	0,01
63	41,4	6,9-GUAIADIENE	0,01
64	41,6	ALIPHATIC ALCOHOL	0,02
65	41,7	TERPENIC ALCOHOL	0,01
66	41,8	ALIPHATIC ESTER	0,01
67	42,1	alpha-SELINENE	0,01
68	42,4	alpha-MUUROLENE	0,04
69	42,6	beta-BISABOLENE	0,02
70	42,7	SESQUITERPENE	0,01
71	44,2	alpha-FARNESENE	0,01
72	44,3	GERANYL ACETATE	0,04
73	45,8	ALIPHATIC ESTER	0,01
74	46,0	MYRTENOL	0,01
75	48,3	AROMATIC COMPOUND	0,01
76	48,5	Trans-CARVEOL	0,01
77	49,0	m-CYMENE-8-OL	0,01
78	49,3	p-CYMENE-8-OL	0,03
79	53,8	PIPERITENONE	0,01
80	56,4	CARYOPHYLLENE EPOXIDE	0,02
81	67,8	SESQUITERPENOL	0,01
82	68,1	Epi-alpha-BISABOLOL	0,01
83	68,3	alpha-BISABOLOL	0,02
		TOTAL	99,99

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