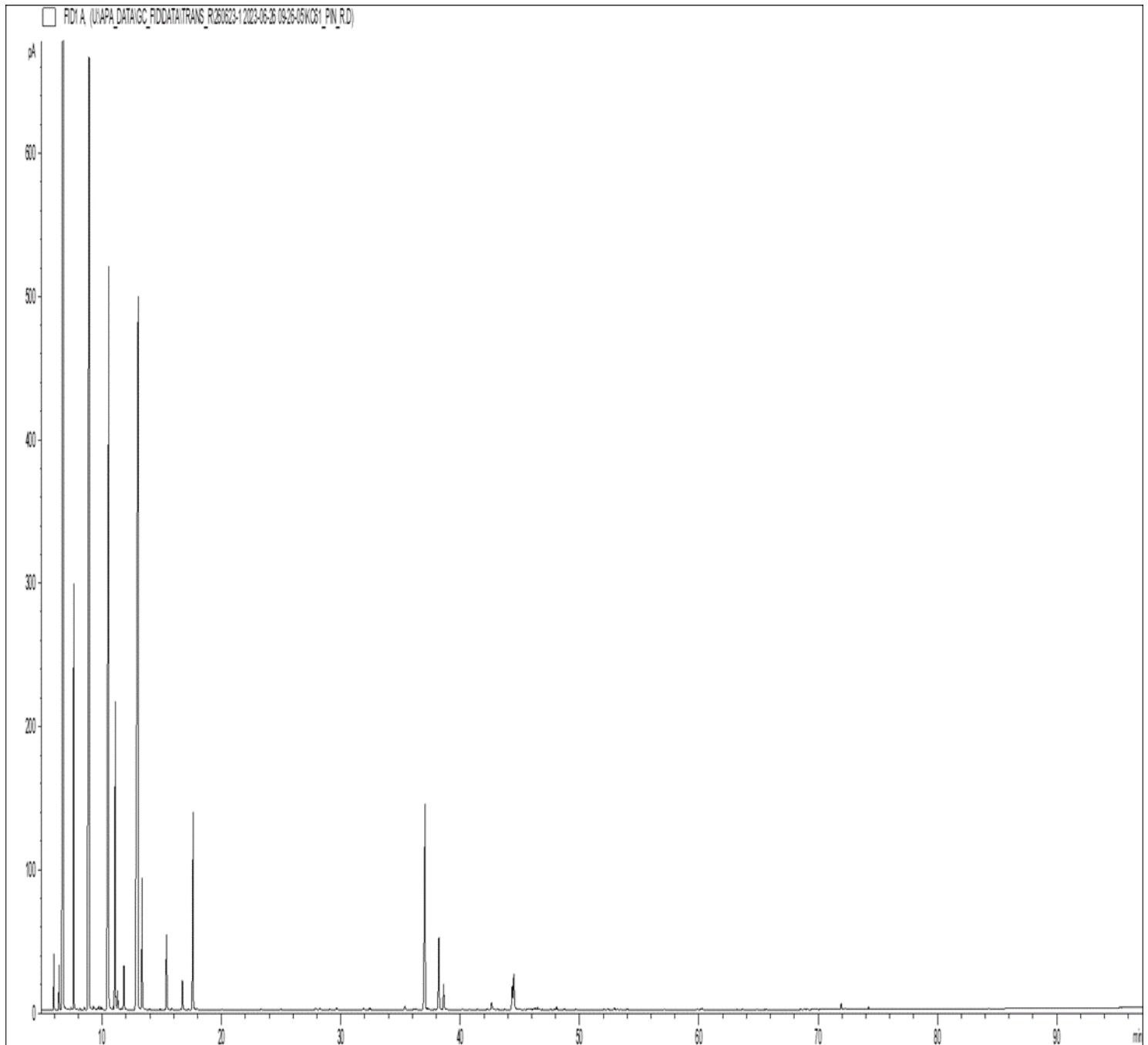


GCMS ANALYSIS

PRODUCT NAME: PINE SCOTCH ESSENTIAL OIL – 11120

DATE: September 14, 2023



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,

GCMS ANALYSIS (cont'd,)

PRODUCT NAME: PINE SCOTCH ESSENTIAL OIL – 11120

Peak	RT (min)	Compound name	%
1	5,95	SANTENE	0,40
2	6,39	TRICYCLENE	0,40
3	6,75	alpha-PINENE	33,23
4	6,90	alpha-THUYENE	0,02
5	7,40	alpha-FENCHENE	0,02
6	7,63	CAMPHENE	3,52
7	8,15	p-MENTH-3-ENE	0,01
8	8,53	1,6-OCTADIENE, 2,7-DIMETHYL-	0,03
9	8,91	beta-PINENE	14,40
10	9,28	SABINENE	0,03
11	9,35	PINADIENE	0,02
12	9,40	delta2-CARENE	0,02
13	9,66	TERPENE ISOMER	0,01
14	9,73	TERPENE ISOMER	0,04
15	9,91	p-MENTH-2-ENE	0,03
16	10,02	TERPENE ISOMER	0,02
17	10,57	delta3-CARENE	13,67
18	11,12	beta-MYRCENE	3,50
19	11,17	alpha-PHELLANDRENE	0,12
20	11,31	psi-LIMONENE	0,21
21	11,62	o-CYMENE	0,02
22	11,80	1,4-CINEOLE	0,11
23	11,84	alpha-TERPINENE	0,43
24	13,03	LIMONENE	16,89
25	13,30	1,8-CINEOLE	0,10
26	13,35	beta-PHELLANDRENE	1,32
27	13,49	1,3,8-p-MENTHATRIENE	0,02
28	13,63	MENTHATRIENE ISOMER	0,01
29	13,96	MENTHATRIENE ISOMER	0,01
30	15,41	gamma-TERPINENE	0,88

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: PINE SCOTCH ESSENTIAL OIL – 11120

Peak	RT (min)	Compound name	%
31	15,85	trans-beta-OCIMENE	0,02
32	16,74	p-CYMENE	0,38
33	17,64	TERPINOLENE	2,75
34	17,96	TERPINOLENE ISOMER	0,02
35	23,33	alpha-PINENE OXIDE	0,01
36	24,96	2-NONANONE	0,01
37	27,87	alpha,p-DIMETHYLSTYRENE	0,02
38	28,22	LIMONENE cis-1,2-EPOXIDE	0,02
39	29,10	LIMONENE trans-1,2-EPOXIDE	0,01
40	29,66	4,8-TERPINOLENE EPOXIDE	0,03
41	31,90	alpha-COPAENE	0,02
42	32,43	CAMPHOR	0,03
43	35,37	LINALOOL	0,06
44	36,12	1-OCTANOL	0,02
45	36,33	LONGIFOLENE	0,02
46	37,06	BORNYL ACETATE	3,90
47	37,26	ISOBORNYL ACETATE	0,03
48	38,00	beta-CUBEBENE	0,01
49	38,21	beta-CARYOPHYLLENE	1,12
50	38,61	TERPINENE-4-OL	0,38
51	38,90	TERPENIC COMPOUND	0,01
52	40,16	cis-p-MENTHA-2,8-DIEN-1-OL	0,01
53	41,44	trans-PINOCARVEOL	0,01
54	42,25	CRYPTONE	0,01
55	42,35	ISOBORNEOL	0,01
56	42,62	alpha-HUMULENE	0,14
57	43,12	trans-VERBENOL	0,02
58	44,35	alpha-TERPINEOL	0,48
59	44,49	BORNEOL	0,57
60	45,62	DODECANAL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PINE SCOTCH ESSENTIAL OIL – 11120

Peak	RT (min)	Compound name	%
61	45,77	p-MENTHA-1(7),2-DIEN-8-OL	0,01
62	46,26	alpha-MUUROLENE	0,03
63	46,30	CARVONE	0,01
64	46,47	beta-BISABOLENE	0,03
65	46,50	cis-alpha-BISABOLENE	0,01
66	47,91	delta-CADINENE	0,01
67	48,06	GERANYL ACETATE	0,05
68	48,70	1-DECANOL	0,01
69	52,05	4-ETHYL-GUAIACOL	0,01
70	52,36	trans-CARVEOL	0,01
71	52,91	p-CYMENE-8-OL	0,02
72	53,99	cis-CARVEOL	0,01
73	60,25	CARYOPHYLLENE OXIDE	0,02
74	71,92	E,E,E-alpha-SPRINGENE	0,09
75	72,13	Epi-alpha-BISABOLOL	0,01
76	72,25	alpha-BISABOLOL	0,02
77	74,19	DITERPENE	0,03
		TOTAL	99,98

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