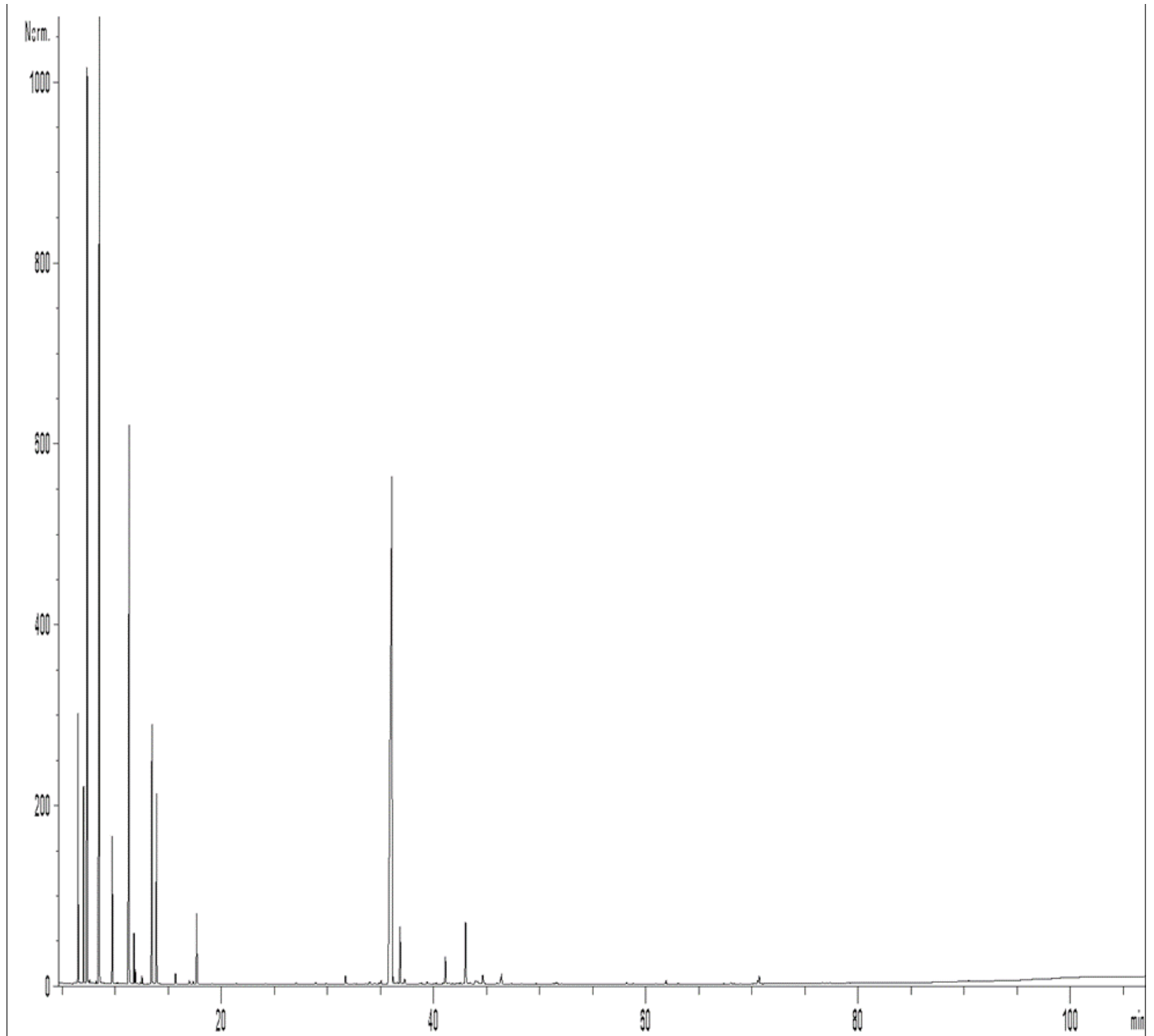


GCMS ANALYSIS

PRODUCT NAME: FIR NEEDLE SIBERIAN ESSENTIAL OIL - 11056

DATE: April 01,2021



*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: FIR NEEDLE SIBERIAN ESSENTIAL OIL - 11056

Peak	RT (min)	Compound name	%
1	4,68	ACETONE	0,01
2	6,50	<b>SANTENE</b>	<b>2,74</b>
3	7,01	<b>TRICYCLENE</b>	<b>2,30</b>
4	7,35	<b>alpha-PINENE</b>	<b>12,68</b>
5	7,37	alpha-THUYENE	0,17
6	7,57	TOLUENE	0,04
7	8,20	alpha-FENCHENE	0,03
8	8,51	<b>CAMPHENE</b>	<b>22,98</b>
9	9,71	<b>beta-PINENE</b>	<b>1,99</b>
10	10,15	SABINENE	0,02
11	10,26	PINADIENE	0,01
12	11,31	<b>delta3-CARENE</b>	<b>12,33</b>
13	11,76	beta-MYRCENE	0,70
14	11,89	alpha-PHELLANDRENE	0,21
15	12,36	o-CYMENE	0,03
16	12,51	alpha-TERPINENE	0,12
17	13,45	<b>LIMONENE</b>	<b>4,74</b>
18	13,89	<b>beta-PHELLANDRENE</b>	<b>3,27</b>
19	15,68	gamma-TERPINENE	0,17
20	16,98	p-CYMENE	0,07
21	17,35	ISOTERPINOLENE	0,05
22	17,68	TERPINOLENE	1,25
23	21,37	CAMPHOLENAL ISOMER	0,02
24	27,00	alpha,p-DIMETHYLSTYRENE	0,03
25	28,86	FENCHYL ACETATE	0,04
26	29,86	alpha-LONGIPINENE	0,01
27	31,69	CAMPHOR	0,19
28	33,98	LINALOOL	0,09
29	34,38	CADINADIENE ISOMER	0,03
30	34,86	SESQUITERPENE	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FIR NEEDLE SIBERIAN ESSENTIAL OIL - 11056

Peak	RT (min)	Compound name	%
31	35,05	LONGIFOLENE	0,09
32	36,06	<b>BORNYL ACETATE</b>	<b>27,78</b>
33	36,19	<b>ISOBORNYL ACETATE</b>	<b>0,16</b>
34	36,54	CAMPHENE HYDRATE	0,07
35	36,66	METHYL THYMOL ETHER	0,02
36	36,84	<b>beta-CARYOPHYLLENE</b>	<b>1,27</b>
37	37,22	TERPINENE-4-OL	0,06
38	37,27	2-UNDECANONE	0,11
39	38,69	MYRTENAL	0,02
40	38,84	ALIPHATIC ESTER	0,02
41	39,36	alpha-HIMACHALENE	0,07
42	40,23	COMPOUND Mw=150	0,02
43	40,90	ESTRAGOL	0,05
44	41,12	<b>alpha-HUMULENE</b>	<b>0,65</b>
45	41,44	E-beta-FARNESENE	0,04
46	42,30	Z-beta-FARNESENE	0,02
47	42,53	gamma-MUUROLENE	0,03
48	42,85	gamma-HIMACHALENE	0,03
49	43,00	<b>BORNEOL</b>	<b>1,38</b>
50	43,10	alpha-TERPINEOL	0,20
51	43,44	VERBENONE	0,05
52	43,98	DODECANAL	0,17
53	44,17	VALENCENE	0,08
54	44,54	BICYCLOGERMACRENE	0,03
55	44,63	beta-BISABOLENE	0,20
56	44,68	beta-HIMACHALENE	0,09
57	45,98	E,E-alpha-FARNESENE	0,03
58	46,35	delta-CADINENE	0,09
59	46,40	GERANYL ACETATE	0,21
60	47,34	trans-alpha-BISABOLENE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FIR NEEDLE SIBERIAN ESSENTIAL OIL - 11056

Peak	RT (min)	Compound name	%
61	49,65	SABINOL ISOMER	0,01
62	51,25	trans-CARVEOL	0,02
63	51,53	p-CYMENE-8-OL	0,03
64	51,64	GERANIOL	0,03
65	58,19	1-DODECANOL	0,03
66	58,85	CARYOPHYLLENE OXIDE	0,01
67	61,91	NEROLIDOL	0,07
68	63,04	SESQUITERPENOL	0,02
69	68,02	SESQUITERPENOL	0,03
70	70,56	epi-alpha-BISABOLOL	0,07
71	70,68	alpha-BISABOLOL	0,18
72	76,63	MANOYL OXIDE	0,03
73	77,34	epi-MANOYL OXIDE	0,01
74	81,60	AROMATIC COMPOUND	0,01
75	82,63	LAURIC ACID	0,01
76	90,42	epi-MANOOL	0,03
		<b>TOTAL</b>	<b>99,99</b>

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