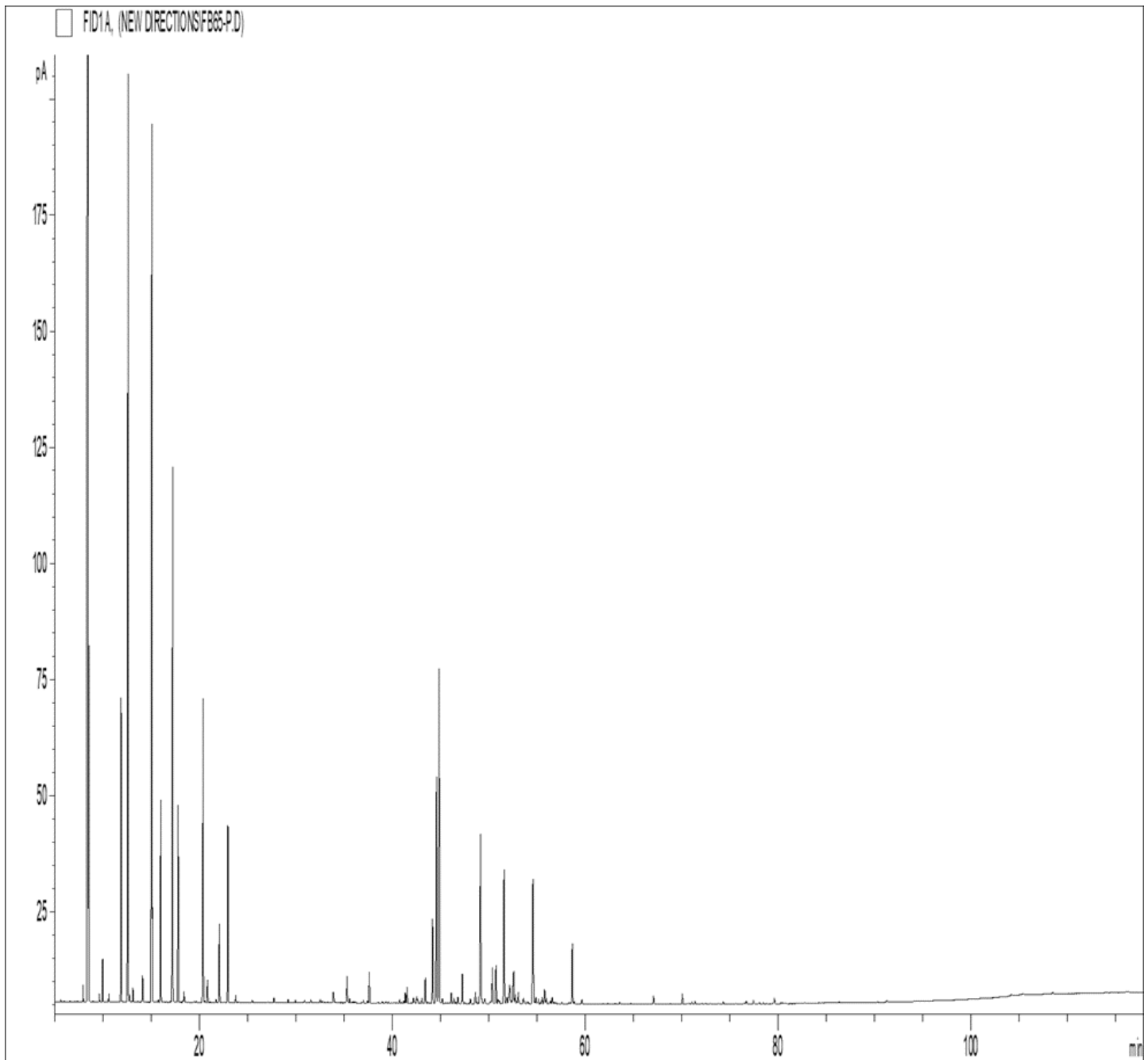


GCMS ANALYSIS

PRODUCT NAME: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013  
DATE: July 20, 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: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013

Peak	RT (min)	Compound name	%
1	5,66	ACETONE	0,01
2	7,95	TRICYCLENE	0,11
3	8,46	<b>alpha-PINENE</b>	<b>42,79</b>
4	8,52	alpha-THUYENE	1,80
5	9,64	alpha-FENCHENE	0,05
6	9,99	CAMPHENE	0,30
7	10,61	HEXANAL	0,06
8	11,89	<b>beta-PINENE</b>	<b>2,39</b>
9	12,61	<b>SABINENE</b>	<b>8,30</b>
10	12,77	PINADIENE	0,06
11	13,11	delta2-CARENE	0,11
12	14,11	delta3-CARENE	0,24
13	15,07	<b>beta-MYRCENE</b>	<b>9,70</b>
14	15,17	alpha-PHELLANDRENE	0,47
15	15,99	alpha-TERPINENE	1,71
16	17,23	<b>LIMONENE</b>	<b>5,20</b>
17	17,79	beta-PHELLANDRENE	1,73
18	18,31	1,3,8-p-MENTHATRIENE	0,01
19	18,41	trans-2-HEXENAL	0,10
20	20,40	<b>gamma-TERPINENE</b>	<b>2,86</b>
21	20,58	AROMATIC COMPOUND	0,01
22	20,85	trans-beta-OCIMENE	0,19
23	21,74	ISOAMYL ISOVALERATE	0,03
24	22,08	p-CYMENE	0,71
25	22,98	TERPINOLENE	1,65
26	23,78	AMYL ISOVALERATE	0,07
27	25,49	PINOL	0,02
28	27,75	1-HEXANOL	0,05
29	29,20	3-HEXEN-1-OL	0,03
30	29,98	GALBANOLENE	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013

Peak	RT (min)	Compound name	%
31	30,86	SESQUITERPENE	0,02
32	30,94	SESQUITERPENE	0,02
33	31,57	2-HEXEN-1-OL	0,03
34	32,56	PRENYL ISOVALERATE	0,04
35	32,78	PERILLENE	0,02
36	33,90	alpha-p-DIMETHYLSTYRENE	0,15
37	34,03	1,3-DIETHYL-BENZENE	0,01
38	34,72	beta-THUYONE	0,01
39	35,32	alpha-CUBEBENE	0,28
40	35,61	trans-THUYANOL	0,04
41	36,11	SESQUITERPENE	0,02
42	37,02	SESQUITERPENE	0,03
43	37,44	YLANGENE	0,03
44	37,64	alpha-COPAENE	0,33
45	39,03	SESQUITERPENE	0,03
46	39,38	PINOCAMPHONE	0,03
47	39,62	beta-BOURBONENE	0,02
48	40,77	SESQUITERPENE	0,04
49	40,97	MENTHENOL ISOMER	0,02
50	41,19	SESQUITERPENE	0,03
51	41,35	LINALOOL	0,10
52	41,54	SESQUITERPENE	0,17
53	42,20	trans-p-MENTH-2-EN-1-OL	0,06
54	42,31	SESQUITERPENE	0,02
55	42,54	METHYL CITRONELLATE	0,06
56	42,65	LONGIFOLENE	0,05
57	43,08	epsilon-CADINENE	0,06
58	43,44	<b>BORNYL ACETATE</b>	<b>0,27</b>
59	43,66	SESQUITERPENE	0,01
60	44,19	beta-ELEMENE	0,90

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013

Peak	RT (min)	Compound name	%
61	44,60	<b>beta-CARYOPHYLLENE</b>	<b>2,58</b>
62	44,86	<b>TERPINENE-4-OL</b>	<b>3,44</b>
63	45,19	AROMADENDRENE	0,05
64	46,11	THUYOPSENE	0,11
65	46,40	SESQUITERPENE	0,05
66	46,60	MYRTENAL	0,02
67	46,81	CADINA-3,5-DIENE	0,07
68	47,28	GERMACRENE A	0,32
69	48,11	trans-PINOCARVEOL	0,05
70	48,63	E-beta-FARNESENE	0,13
71	48,76	ZONARENE	0,02
72	49,16	<b>alpha-HUMULENE</b>	<b>2,09</b>
73	49,28	SESQUITERPENE	0,04
74	49,58	gamma-SELINENE	0,08
75	50,16	SESQUITERPENE	0,02
76	50,39	gamma-MUUROLENE	0,41
77	50,76	alpha-TERPINEOL	0,43
78	50,98	SESQUITERPENE	0,05
79	51,13	BORNEOL	0,03
80	51,60	<b>GERMACRENE D</b>	<b>1,48</b>
81	51,89	SESQUITERPENE	0,08
82	52,09	CADINENE ISOMER	0,08
83	52,18	beta-SELINENE	0,25
84	52,29	SESQUITERPENE	0,02
85	52,52	alpha-SELINENE	0,15
86	52,60	alpha-MUUROLENE	0,39
87	52,77	SESQUITERPENE	0,09
88	52,93	SESQUITERPENE	0,03
89	53,08	BICYCLOGERMACRENE	0,12
90	53,61	beta-CURCUMENE	0,08

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013

Peak	RT (min)	Compound name	%
91	53,93	E,E-alpha-FARNESENE	0,02
92	54,12	cis-MYRTANYL ACETATE	0,03
93	54,59	<b>delta-CADINENE</b>	<b>1,32</b>
94	54,60	gamma-CADINENE	0,31
95	54,91	delta-SELINENE	0,07
96	55,12	SESQUITERPENE	0,02
97	55,17	alpha-CURCUMENE	0,05
98	55,54	SESQUITERPENE	0,07
99	55,80	SELINA-3,7-DIENE	0,20
100	56,00	CADINA-1,4-DIENE	0,06
101	56,42	MYRTENOL	0,04
102	56,60	VALENCENE ISOMERE	0,07
103	56,80	SESQUITERPENE	0,01
104	57,57	SESQUITERPENE	0,01
105	58,32	ALIPHATIC ALCOHOL	0,01
106	58,68	GERMACRENE B	0,68
107	58,90	PHENYLETHYLIC ESTER	0,03
108	59,69	PHENYLETHYLIC ALCOOL	0,06
109	63,60	alpha-CALACORENE	0,02
110	67,10	CARYOPHYLLENE EPOXIDE	0,10
111	70,09	NEROLIDOL	0,05
112	70,10	COMPOUND Mw=138	0,05
113	70,63	COMPOUND Mw=138	0,01
114	71,09	SESQUITERPENE	0,02
115	71,41	EPOXY-6,7-HUMULENE	0,03
116	72,11	CUBENOL	0,01
117	74,33	SPATHULENOL	0,03
118	76,72	T-CADINOL	0,04
119	77,48	alpha-MUUROLOL	0,04
120	78,05	SESQUITERPENOL	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: JUNIPER BERRY ORGANIC ESSENTIAL OIL - 50013

Peak	RT (min)	Compound name	%
121	79,64	alpha-CADINOL	0,07
122	82,76	SESQUITERPENE Mw=202	0,01
123	91,30	DITERPENE	0,01
124	108,49	COMPOUND Mw=280	0,02
		<b>TOTAL</b>	<b>99,99</b>

**Nd : Not detected (< 33 ppm)**

**Tr : Traces (Between 33 and 100 ppm)**

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