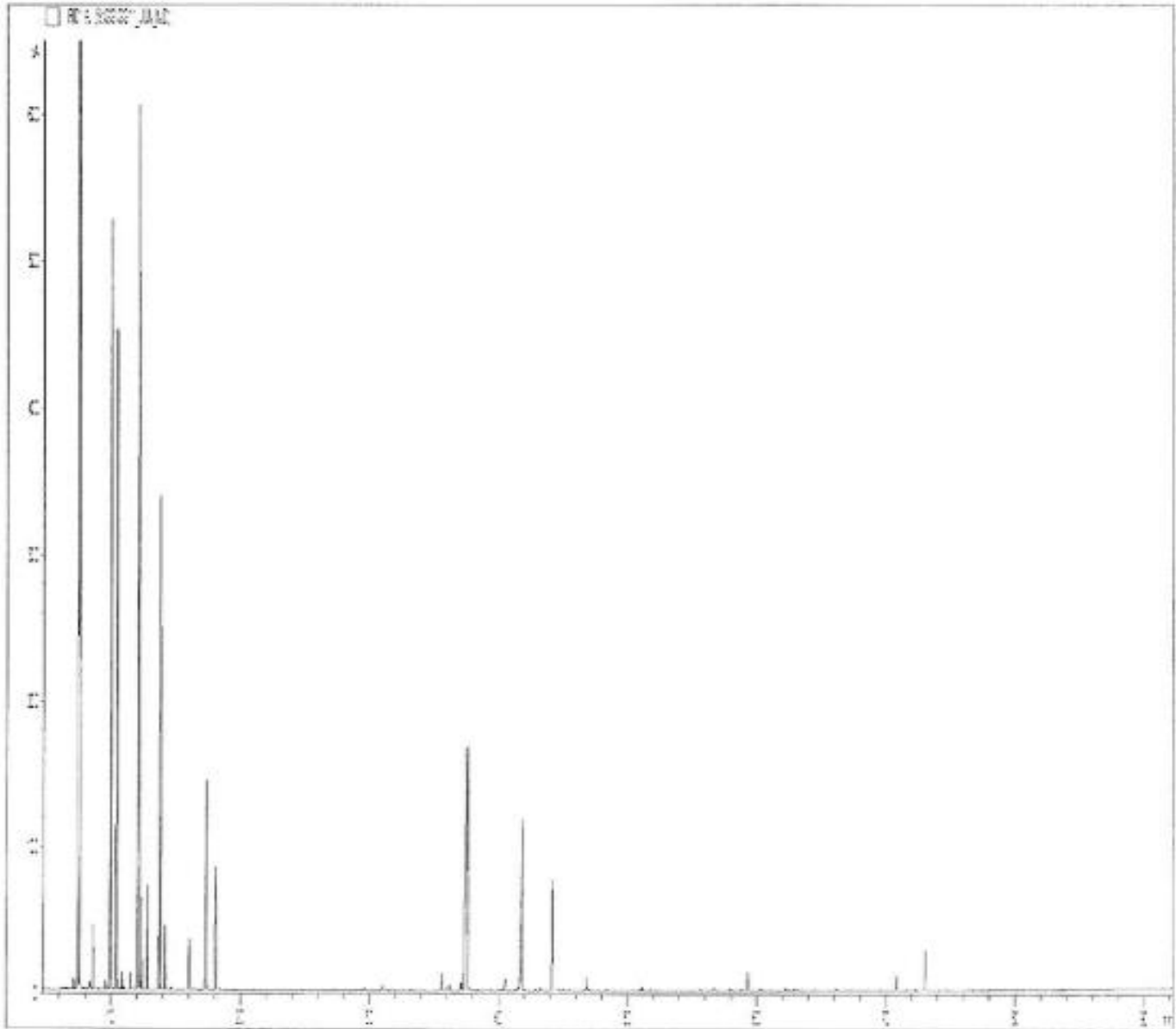


GCMS ANALYSIS

PRODUCT NAME: JUNIPER BERRY ESSENTIAL OIL (HUNGARY) – 11308

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: JUNIPER BERRY ESSENTIAL OIL (HUNGARY) – 11308

Peak	RT (min)	Compound name	%
1	4,71	ACETONE	0,01
2	7,16	TRICYCLENENE	0,09
3	7,59	alpha-PINENE	44,82
4	7,61	alpha-THUYENE	0,36
5	8,38	alpha-FENCHENE	0,07
6	8,63	CAMPHENE	0,44
7	9,13	p-MENTH-8-ENE	0,01
8	9,56	1,6-OCTADIENE, 2,7-DIMETHYL-	0,08
9	9,72	TERPENE ISOMER	0,05
10	9,99	beta-PINENE	7,88
11	10,45	SABINENE	6,30
12	10,49	PINADIENE	0,07
13	10,84	delta2-CARENE	0,14
14	10,99	p-MENTH-2-ENE	0,04
15	11,50	delta3-CARENE	0,18
16	12,14	beta-MYRCENE	12,25
17	12,23	alpha-PHELLANDRENE	0,05
18	12,37	psi-LIMONENE	0,70
19	12,75	1,4-CINEOLE	0,07
20	12,82	alpha-TERPINENE	0,80
21	13,78	LIMONENE	5,90
22	14,18	beta-PHELLANDRENE	0,57
23	14,69	ALIPHATIC ESTER	0,02
24	16,05	gamma-TERPINENE	0,48
25	16,36	trans-beta-OCIMENE	0,02
26	16,67	3,8-p-MENTHADIENE	0,02
27	17,16	m-CYMENE	0,01
28	17,34	p-CYMENE	2,13
29	18,07	TERPINOLENE	1,23
30	18,38	ISOTERPINOLENE	0,02

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: JUNIPER BERRY ESSENTIAL OIL (HUNGARY) – 11308

Peak	RT (min)	Compound name	%
31	23,37	alpha-PINENE OXIDE	0,01
32	27,27	alpha,p-DIMETHYLSTYRENE	0,02
33	28,92	alpha-CUBEBENE	0,02
34	29,10	trans-THUYANOL	0,01
35	29,61	delta-ELEMENE	0,03
36	31,05	alpha-COPAENE	0,06
37	33,28	alpha-GURJUNENE	0,02
38	33,90	beta1-CUBEBENE	0,01
39	35,60	LONGIFOLENE	0,24
40	36,03	epsilon-CADINENE	0,05
41	36,21	BORNYL ACETATE	0,08
42	37,08	beta-ELEMENE	0,09
43	37,49	beta-CARYOPHYLLENE	4,44
44	37,62	TERPINENE-4-OL	3,16
45	38,08	HOTRIENOL	0,01
46	38,42	AROMADENDRENE	0,02
47	38,95	MYRTENAL	0,01
48	39,32	cis-beta-TERPINEOL	0,01
49	39,98	gamma-PATCHOULENE	0,02
50	40,16	ETHYL CAPRATE	0,01
51	40,30	ALLO-AROMADENDRENE	0,02
52	40,52	CHAMIGRENE ISOMER	0,17
53	41,27	ZONARENE	0,03
54	41,54	CHAMIGRENE ISOMER	0,07
55	41,79	alpha-HUMULENE	2,75
56	42,02	E-beta-FARNESENE	0,03
57	42,89	gamma-MUUROLENE	0,03
58	43,27	alpha-TERPINEOL	0,05
59	43,32	BORNEOL	0,02
60	43,86	SESQUITERPENE	0,01

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: JUNIPER BERRY ESSENTIAL OIL (HUNGARY) – 11308

Peak	RT (min)	Compound name	%
61	44,16	GERMACRENE D	1,62
62	44,46	MUROLADIENE ISOMER	0,01
63	44,65	beta-SELINENE	0,03
64	44,99	alpha-SELINENE	0,02
65	45,08	alpha-MUROLENE	0,03
66	45,50	BICYCLOGERMACRENE	0,02
67	46,61	alpha-FARNESENE	0,02
68	46,89	delta-CADINENE 111,D,	0,19
69	46,96	gamma-CADINENE	0,02
70	47,15	SESQUITERPENE	0,01
71	47,73	beta-SESQUIPELLANDRENE	0,02
72	48,37	CADINA-1,4-DIENE	0,02
73	48,59	MYRTENOL	0,02
74	50,39	trans-ANETHOL	0,02
75	50,88	CALAMENENE	0,02
76	51,13	GERMACRENE B	0,06
77	51,76	p-CYMENE-8-OL	0,01
78	55,58	alpha-CALACORENE	0,03
79	56,03	HUMULENE EPOXIDE	0,01
80	56,67	SESQUITERPENOL	0,04
81	57,97	SESQUITERPENIC EPOXIDE	0,04
82	58,79	ISOCARYOPHYLLENE EPOXIDE	0,02
83	59,27	CARYOPHYLLENE EPOXIDE	0,25
84	60,28	SESQUITERPENIC EPOXIDE	0,03
85	60,65	AROMATIC COMPOUND	0,01
86	60,99	HUMULOL	0,01
87	62,20	epoxy-6,7-HUMULENE	0,04
88	62,41	NEROLIDOL	0,01
89	62,88	CARYOPHYLLENOL	0,04
90	63,16	epi-CUBENOL	0,02

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: JUNIPER BERRY ESSENTIAL OIL (HUNGARY) – 11308

Peak	RT (min)	Compound name	%
91	66,14	CEDROL	0,03
92	67,06	SESQUITERPENIC EPOXIDE	0,01
93	67,33	CEDROL ISOMER	0,01
94	67,73	SESQUITERPENOL	0,01
95	70,79	GERANYLGERANIADIENE	0,18
96	71,67	alpha-CADINOL	0,01
97	72,19	CURLONE	0,02
98	73,01	gamma-UNDECALACTONE	0,58
99	73,07	DITERPENE Mw=272	0,05
100	74,62	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,01
101	76,42	SESQUITERPENIC EPOXIDE	0,02
102	78,03	SESQUITERPENONE Mw=218	0,01
103	78,23	AROMATIC COMPOUND	0,01
		TOTAL	99,91

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