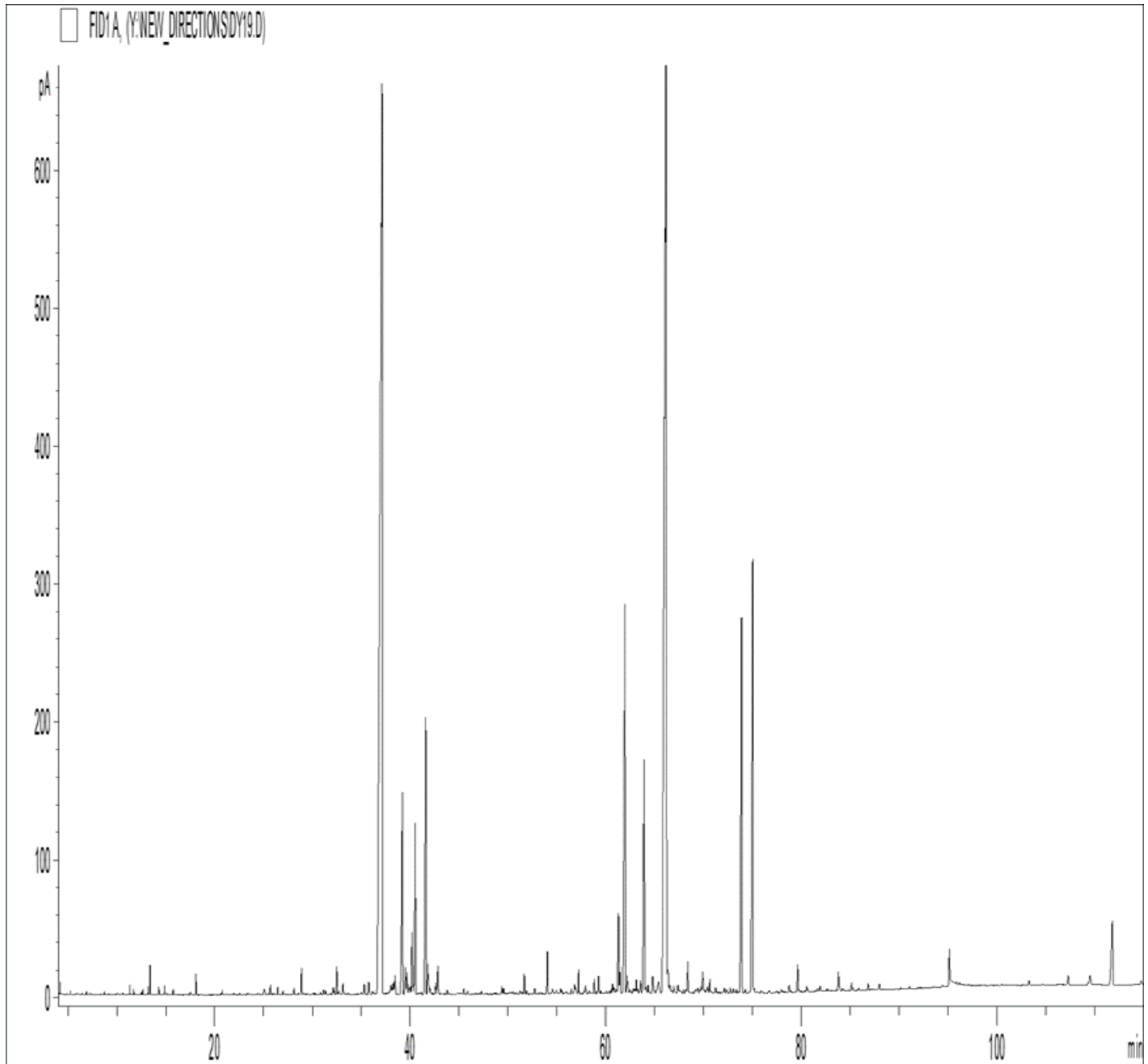


GCMS ANALYSIS

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029
DATE: February 26, 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: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
1	4,19	ACETONE	0,03
2	11,31	LIMONENE	0,05
3	11,71	1,8-CINEOLE	0,03
4	12,65	cis-beta-OCIMENE	0,03
5	13,20	gamma-TERPINENE	0,05
6	13,40	trans-beta-OCIMENE	0,17
7	14,28	p-CYMENE	0,05
8	14,88	TERPINOLENE	0,06
9	15,76	TRIDECANE	0,03
10	18,08	ARTEMISIA KETONE	0,14
11	20,79	YOMOGI ALCOHOL	0,03
12	25,03	SESQUITERPENE	0,02
13	25,08	SILPHINENE	0,04
14	25,11	delta-ELEMENE	0,03
15	25,70	BICYCLOELEMENE	0,08
16	26,44	alpha-COPAENE	0,06
17	26,99	ARTEMISIA ALCOHOL	0,03
18	28,12	MODHEPHENE	0,06
19	28,88	alpha-ISOCOMENE	0,24
20	30,81	MENTHATRIENIC COMPOUND	0,02
21	31,15	beta-ISOCOMENE	0,06
22	31,35	epsilon-CADINENE	0,04
23	32,11	beta-ELEMENE	0,06
24	32,22	alpha-trans-BERGAMOTENE	0,03
25	32,48	beta-CARYOPHYLLENE	0,26
26	32,68	COMPOUND Mw=152	0,04
27	33,12	AROMADENDRENE	0,12
28	35,05	GERMACRENE A	0,03
29	35,31	ALLO-AROMADENDRENE	0,12
30	35,76	NONA-3,8-DIEN-2-ONE, 4,8-DIMETHYL-	0,13

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
31	36,14	ZONARENE	0,04
32	36,33	alpha-HUMULENE	0,02
33	37,14	E-beta-FARNESENE	26,76
34	37,65	SESQUITERPENE	0,02
35	37,92	gamma-CURCUMENE	0,04
36	38,04	gamma-MUUROLENE	0,14
37	38,17	BORNEOL	0,06
38	38,27	alpha-TERPINEOL	0,11
39	38,46	LEDENE	0,22
40	39,21	GERMACRENE D	2,58
41	39,48	SESQUITERPENE	0,07
42	39,53	beta-SELINENE	0,24
43	39,66	TERPENIC OXIDE	0,20
44	39,83	alpha-SELINENE	0,09
45	39,97	SESQUITERPENE	0,03
46	40,03	alpha-MUUROLENE	0,08
47	40,20	beta-BISABOLENE	0,65
48	40,27	cis-alpha-BISABOLENE	0,06
49	40,53	BICYCLOGERMACRENE	1,81
50	41,13	beta-CURCUMENE	0,03
51	41,60	E,E-alpha-FARNESENE	3,43
52	41,80	delta-CADINENE	0,30
53	41,86	ALIPHATIC ALCOHOL	0,08
54	42,02	SESQUITERPENE	0,06
55	42,06	SESQUITERPENE Mw=202	0,04
56	42,62	beta-SESQUIPELLANDRENE	0,11
57	42,79	alpha-CURCUMENE	0,07
58	42,85	trans-alpha-BISABOLENE	0,24
59	43,78	alpha-AMORPHENE	0,04
60	45,49	trans-ANETHOL	0,06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
61	45,89	SESQUITERPENE Mw=202	0,04
62	47,30	E-GERANYL ACETONE	0,03
63	49,39	COMPOUND Mw=218	0,08
64	49,57	5,6-DIHYDROCHAMAZULENE	0,06
65	50,22	SESQUITERPENIC EPOXIDE	0,03
66	50,27	SESQUITERPENIC EPOXIDE	0,02
67	50,50	PALUSTROL	0,03
68	51,27	MENTHATRIENIC COMPOUND	0,05
69	51,68	DENDROLASIN	0,20
70	51,92	SESQUITERPENIC EPOXIDE	0,03
71	52,74	FURANIC COMPOUND	0,06
72	53,29	SESQUITERPENIC EPOXIDE	0,02
73	54,04	CARYOPHYLLENE EPOXIDE	0,41
74	54,47	AROMATIC COMPOUND	0,02
75	54,54	SESQUITERPENIC EPOXIDE	0,05
76	54,89	ALIPHATIC ALCOHOL	0,02
77	54,97	MAALIOL	0,05
78	55,39	CHRYSANTHEMOL ISOMER	0,05
79	55,52	SESQUITERPENIC EPOXIDE	0,04
80	56,50	AROMATIC COMPOUND	0,07
81	56,82	PHOTOSANTALOL ISOMER	0,12
82	56,94	EPOXY-6,7-HUMULENE	0,08
83	57,23	NEROLIDOL	0,22
84	57,81	CAPRYLIC ACID	0,03
85	57,93	GLEENOL	0,10
86	58,31	CUBENOL	0,03
87	58,54	IONONE ISOMER	0,02
88	58,84	GLOBULOL	0,15
89	59,26	VIRIDIFLOROL	0,18
90	59,48	AROMATIC COMPOUND	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
91	60,07	SESQUITERPENOL	0,03
92	60,38	10-epi-gamma-EUDESMOL	0,04
93	60,58	SESQUITERPENIC EPOXIDE	0,04
94	60,71	SANTALOL ISOMER	0,09
95	60,84	SESQUITERPENIC EPOXIDE	0,08
96	61,06	SANTALOL ISOMER	0,07
97	61,30	SPATHULENOL	0,98
98	61,46	BISABOLOL OXIDE C	0,24
99	61,97	alpha-BISABOLOL OXIDE B	5,52
100	62,19	PENTADECANONE, TRIMETHYL-	0,19
101	62,26	COMPOUND Mw=292	0,06
102	62,50	SESQUITERPENOL	0,07
103	62,82	SANTALIC COMPOUND	0,07
104	62,97	MINT SULFIDE	0,06
105	63,13	BISABOLOL OXIDE ISOMER	0,16
106	63,27	EUGENOL	0,05
107	63,49	gamma-EUDESMOL	0,03
108	63,56	T-CADINOL	0,13
109	63,93	alpha-BISABOLONE OXIDE A	2,81
110	64,14	SESQUITERPENIC EPOXIDE	0,09
111	64,34	alpha-MUUROLOL	0,09
112	64,42	THYMOL	0,02
113	64,81	SESQUITERPENIC EPOXIDE	0,25
114	64,96	SESQUITERPENIC EPOXIDE	0,03
115	65,19	CARVACROL	0,03
116	65,38	Epi-alpha-BISABOLOL	0,31
117	66,22	alpha-BISABOLOL	29,24
118	66,36	BISABOLOL OXIDE ISOMER	0,35
119	66,55	alpha-CADINOL	0,09
120	66,59	SESQUITERPENIC EPOXIDE	0,07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
121	66,79	AROMATIC COMPOUND	0,03
122	66,97	FARNESYL ACETATE	0,09
123	67,39	METHYL PALMITATE	0,09
124	67,50	SESQUITERPENIC EPOXIDE	0,04
125	67,63	SESQUITERPENOL	0,02
126	67,67	EUDESMA-7(11)-EN-4-OL	0,02
127	67,95	SESQUITERPENIC EPOXIDE	0,04
128	68,19	ALIPHATIC ESTER	0,04
129	68,39	CAPRIC ACID	0,32
130	68,55	AROMATIC COMPOUND	0,03
131	68,87	SESQUITERPENIC EPOXIDE	0,02
132	69,13	ETHYL PALMITATE	0,02
133	69,21	COMPOUND Mw=284	0,06
134	69,44	SESQUITERPENIC EPOXIDE	0,08
135	69,61	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,05
136	69,76	SESQUITERPENIC EPOXIDE	0,06
137	69,92	MATRICARIA ESTER	0,31
138	70,07	SESQUITERPENIC EPOXIDE	0,02
139	70,27	SESQUITERPENIC EPOXIDE	0,03
140	70,44	AROMATIC COMPOUND Mw=200	0,11
141	70,66	SESQUITERPENIC EPOXIDE	0,16
142	71,24	SESQUITERPENIC EPOXIDE	0,06
143	72,14	FARNESOL ISOMER	0,05
144	72,39	ALIPHATIC ALCOHOL	0,04
145	72,74	SESQUITERPENIC EPOXIDE	0,05
146	73,05	TRICOSANE	0,05
147	73,38	COMPOUND Mw=220	0,04
148	73,60	AROMATIC COMPOUND Mw=234	0,03
149	73,90	CHAMAZULEN	4,78
150	74,29	COMPOUND Mw=198	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CHAMOMILE GERMAN (HUNGARY) ESSENTIAL OIL - 11029

Peak	RT (min)	Compound name	%
151	75,04	alpha-BISABOLOL OXIDE A	5,97
152	75,18	COMPOUND Mw=238	0,06
153	77,50	TETRACOSANE	0,02
154	77,95	SESQUITERPENIC EPOXIDE	0,03
155	78,77	COMPOUND Mw=220	0,09
156	79,63	PENTACOSANE	0,28
157	79,75	METHYL LINOLEATE	0,02
158	79,96	SESQUITERPENIC EPOXIDE	0,02
159	80,55	COMPOUND Mw=220	0,07
160	80,66	BISABOLENOL ISOMER	0,02
161	81,64	ETHYL LINOLEATE	0,03
162	81,70	SESQUITERPENIC EPOXIDE	0,03
163	81,92	SESQUITERPENIC EPOXIDE	0,07
164	82,64	XANTHOXYLIN Mw=196	0,03
165	83,13	COMPOUND Mw=234	0,02
166	83,80	PHYTOL	0,19
167	83,87	GERANYLLINALOOL ISOMER	0,04
168	85,15	GERANYLLINALOOL ISOMER	0,08
169	85,30	ALIPHATIC ALCOHOL	0,03
170	86,84	SESQUITERPENOL	0,07
171	87,99	MYRISTIC ACID	0,06
172	91,05	HEPTACOSANE	0,03
173	94,44	AROMATIC COMPOUND Mw=200	0,02
174	95,13	PALMITIC ACID	0,70
175	95,85	AROMATIC COMPOUND Mw=200	0,02
176	96,14	AROMATIC COMPOUND Mw=200	0,02
177	103,27	SESQUITERPENIC COMPOUND	0,06
178	107,30	SESQUITERPENIC COMPOUND	0,15
179	109,53	SESQUITERPENIC COMPOUND	0,12
180	111,80	SQUALENE	1,34
		TOTAL	99,93

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