



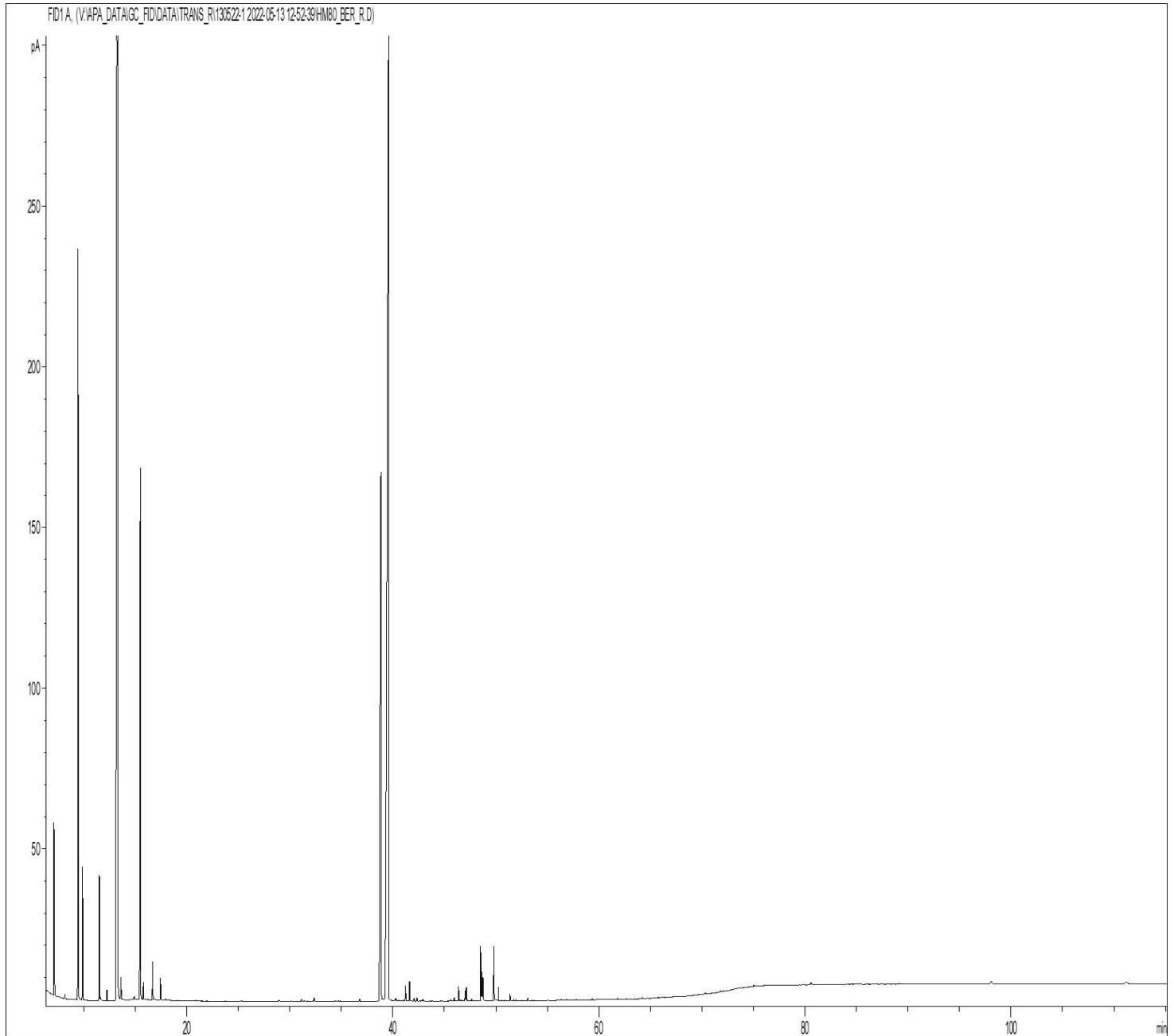
NEW DIRECTIONS
AROMATICS

NATURAL INGREDIENTS ETHICALLY SOURCED

GCMS ANALYSIS

PRODUCT NAME: BERGAMOT ORGANIC ESSENTIAL OIL - 50042

DATE: May 24, 2022



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: BERGAMOT ORGANIC ESSENTIAL OIL - 50042

Peak	RT (min)	Compound name	%
1	7,12	alpha-PINENE	1,08
2	7,18	alpha-THUYENE	0,27
3	8,19	CAMPHENE	0,03
4	9,48	beta-PINENE	6,15
5	9,90	SABINENE	1,01
6	11,53	beta-MYRCENE	1,07
7	11,64	alpha-PHELLANDRENE	0,04
8	12,26	alpha-TERPINENE	0,11
9	13,35	LIMONENE	43,43
10	13,63	1,8-CINEOLE	0,03
11	13,70	beta-PHELLANDRENE	0,19
12	14,92	cis-beta-OCIMENE	0,03
13	15,52	gamma-TERPINENE	6,06
14	15,80	trans-beta-OCIMENE	0,17
15	16,71	p-CYMENE	0,38
16	17,47	TERPINOLENE	0,23
17	17,97	OCTANAL	0,02
18	28,97	LINALOOL cis-OXIDE	0,02
19	31,15	trans-THUYANOL	0,02
20	31,43	LINALOOL trans-OXIDE	0,01
21	32,37	OCTYL ACETATE	0,06
22	36,77	E-SOLANONE	0,04
23	38,83	LINALOOL	9,79
24	39,57	LINALYL ACETATE	27,02
25	40,19	COMPOUND Mw=152	0,01
26	40,29	BORNYL ACETATE	0,03
27	41,22	alpha-trans-BERGAMOTENE	0,17
28	41,62	beta-CARYOPHYLLENE	0,23
29	42,05	TERPINENE-4-OL	0,03
30	42,33	HOTRIENOL	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT ORGANIC ESSENTIAL OIL - 50042

Peak	RT (min)	Compound name	%
31	42,92	LINALYL PROPIONATE	0,02
32	45,63	alpha-HUMULENE	0,02
33	45,95	E-beta-FARNESENE	0,03
34	46,38	NERAL	0,15
35	46,54	Z-beta-FARNESENE	0,02
36	46,70	SESQUITERPENE	0,01
37	47,02	TERPENYL ACETATE	0,10
38	47,14	alpha-TERPINEOL	0,13
39	47,65	GERMACRENE D	0,02
40	48,52	NERYL ACETATE	0,47
41	48,62	beta-BISABOLENE	0,28
42	48,74	GERANIAL	0,24
43	49,80	GERANYL ACETATE	0,47
44	51,37	NEROL	0,06
45	51,72	cis-EPOXYLINALYL ACETATE	0,01
46	53,09	GERANIOL	0,03
47	56,86	ALIPHATIC ESTER	0,01
48	59,34	NEROLIDOL	0,01
49	64,20	HIMACHALOL	0,01
50	71,81	NOOTKATONE	0,02
51	75,02	MYRISTIC ACID	0,01
52	80,59	PALMITIC ACID	0,02
53	98,09	FUROCUMARIN COMPOUND	0,06
54	111,21	LIMETTINE	0,08
		TOTAL	100,00

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