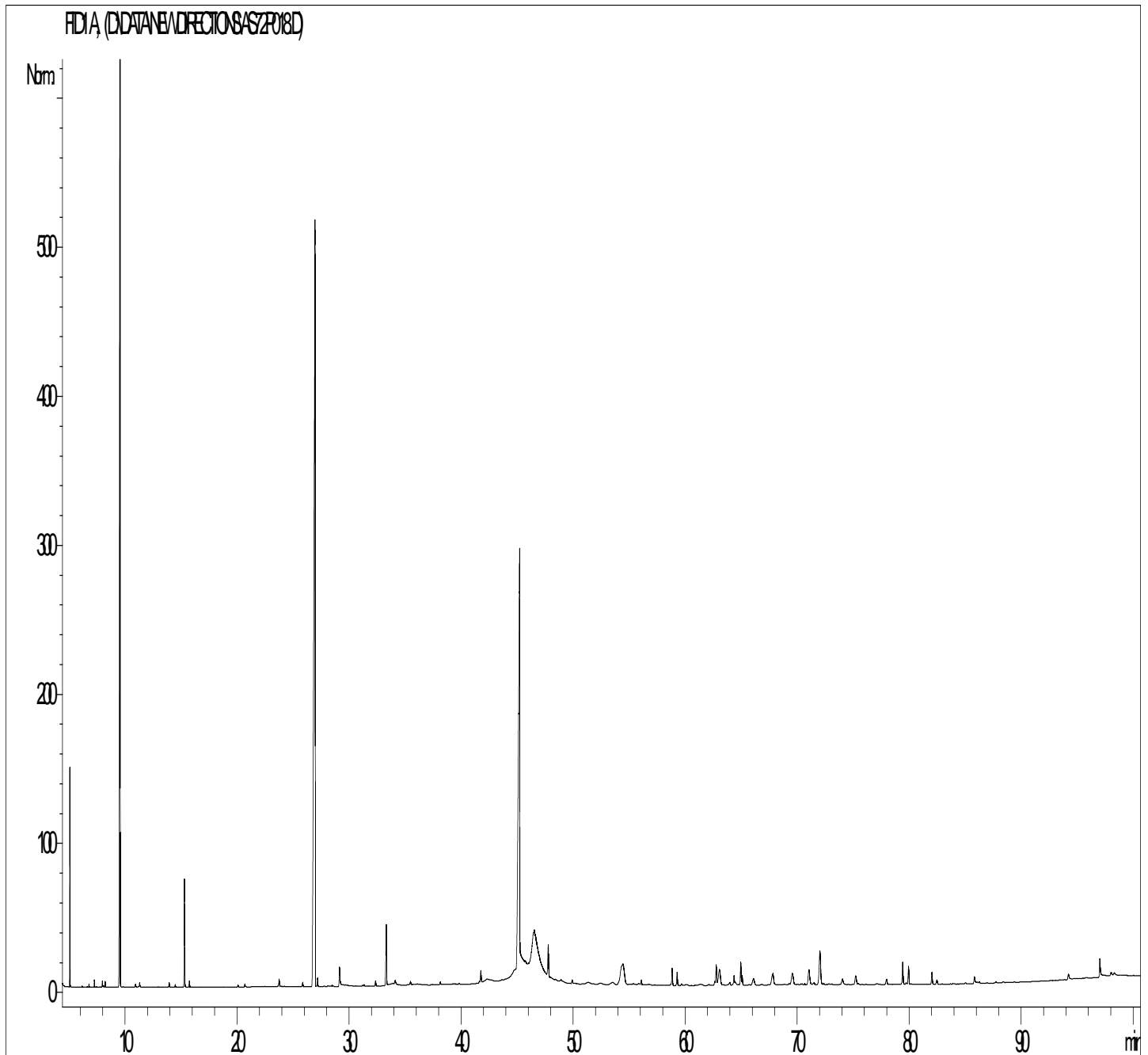




GCMS ANALYSIS

PRODUCT NAME: GARLIC ESSENTIAL OIL - 11058

DATE: December 22, 2017



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: GARLIC ESSENTIAL OIL - 11058

Peak	RT (min)	Compound name	%
1	4,3	ALLYL MERCAPTAN Mw=74	0,31
2	5,2	SULFIDE ALLYLMETHYL Mw=88	1,56
3	6,8	DICYCLOPROPYL CARBINOL	0,03
4	7,3	DISULFIDE DIMETHYL	0,07
5	8,0	ISOBUTANOL	0,07
6	8,2	SULFIDE ALLYL PROPYL	0,06
7	9,5	SULFIDE DIALLYL Mw=114	21,29
8	10,9	METHOXYTHIOPHENE COMPOUND	0,05
9	11,3	SULFIDE DIALLYL	0,07
10	13,9	THIOPHENE 2,4-DIMETHYL	0,07
11	14,5	1,3-DITHIANE	0,04
12	15,3	DISULFIDE METHYL ALLYL	1,56
13	15,7	DISULFIDE METHYL ALLYL ISOMER	0,09
14	20,1	1,2-DITHIOLANE TRIMETHYL ISOMER Mw=148	0,03
15	20,7	TRISULFIDE DIMETHYL Mw=126	0,06
16	23,8	COMPOUND Mw=148	0,14
17	25,9	DISULFIDE DIALLYL Mw=146 ISOMER	0,09
18	27,0	DISULFIDE DIALLYL Mw=146	26,72
19	28,3	DISULFIDE DIALLYL Mw=146 ISOMER	0,15
20	28,4	THIOUREA COMPOUND	0,06
21	29,2	TRISULFIDE METHYL PROPYL	0,43
22	32,4	COMPOUND Mw=148	0,11
23	33,3	TRISULFIDE ALLYLMETHYL Mw=152	1,16
24	34,1	SULFIDE COMPOUND	0,11
25	35,5	SESQUITERPENE	0,07
26	38,1	TRISULFIDE DIPROPYL Mw=182	0,02
27	41,8	3-VINYL-1,2-DITHIACYCLOHEX-4-ENE	0,31
28	45,2	DIALLYL TRISULFIDE Mw=178	33,67
29	47,8	3-VINYL-1,2-DITHIACYCLOHEX-5-ENE	0,69
30	56,1	METHYL THIO THIADIAZOLE THIOL ISOMER	0,11

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: GARLIC ESSENTIAL OIL - 11058

Peak	RT (min)	Compound name	%
31	58,8	DIOXOLANE COMPOUND Mw=186	0,37
32	59,3	DIOXOLANE COMPOUND Mw=186 ISOMER	0,27
33	62,8	DIOXOLANE COMPOUND Mw=186 ISOMER	0,47
34	63,1	AROMATIC COMPOUND Mw=170	0,82
35	64,4	SULFIDE COMPOUND Mw=172	0,33
36	65,0	AROMATIC COMPOUND Mw=220	0,47
37	65,1	ISOTHIOCYANATO COMPOUND	0,19
38	67,8	ALLYL SULFIDE COMPOUND	0,60
39	69,6	ALIPHATIC ESTER	0,57
40	71,0	OXOTHIO COMPOUND	0,65
41	72,0	AROMATIC COMPOUND Mw=192	1,36
42	75,2	BICYCLO DIOXIDE COMPOUND Mw=220	0,34
43	79,4	THIAZOLIC COMPOUND Mw=218	0,51
44	79,9	BENZOTHIOPHENE COMPOUND	0,38
45	82,0	THIAZOLIC COMPOUND Mw=218	0,28
46	82,5	AROMATIC COMPOUND	0,13
47	85,8	ALIPHATIC COMPOUND Mw=264	0,20
48	97,0	PALMITIC ACID	0,45
		TOTAL	97,59

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