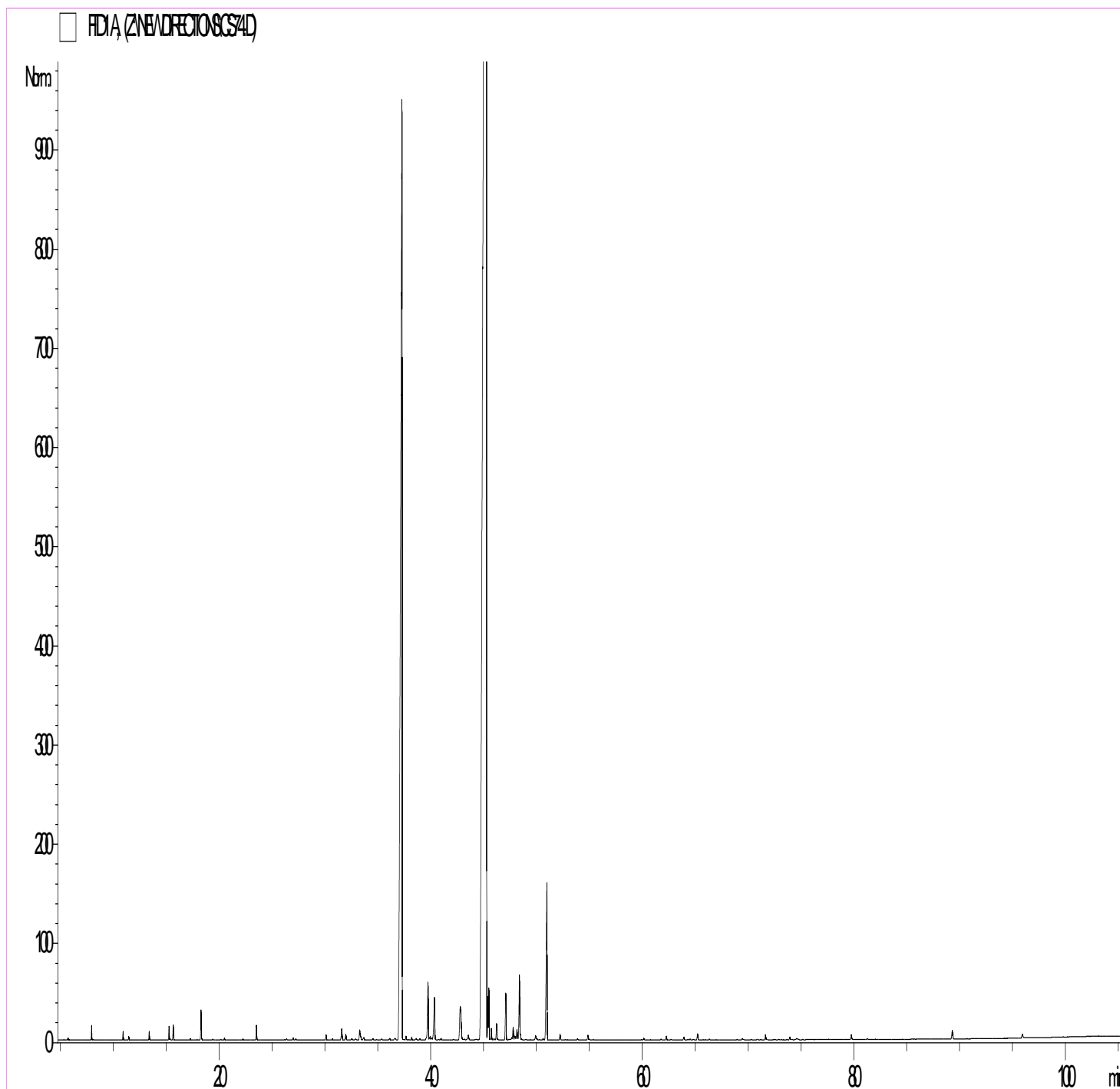


GCMS ANALYSIS

PRODUCT NAME: BASIL ESSENTIAL OIL (INDIA) – 11006

DATE: September 30, 2020



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: BASIL ESSENTIAL OIL (INDIA) – 11006

Peak	RT (min)	Compound name	%
1	4,65	ACETONE	0,01
2	5,68	BUTANAL, 2-METHYL-	0,01
3	5,73	ISOVALERALDEHYDE	0,01
4	5,82	ETHANOL	0,01
5	7,95	alpha-PINENE	0,08
6	10,91	beta-PINENE	0,06
7	11,44	SABINENE	0,02
8	13,38	beta-MYRCENE	0,06
9	15,25	LIMONENE	0,10
10	15,65	1,8-CINEOLE	0,12
11	17,27	cis-beta-OCIMENE	0,01
12	18,28	trans-beta-OCIMENE	0,23
13	18,33	3-OCTANONE	0,01
14	19,39	p-CYMENE	0,01
15	20,16	TERPINOLENE	0,01
16	20,49	OCTANAL	0,01
17	22,24	3-HEXEN-1-OL, ACETATE	0,01
18	23,52	5-HEPTEN-2-ONE, 6-METHYL-	0,12
19	26,37	3-HEXEN-1-OL	0,01
20	26,98	FENCHONE	0,02
21	27,24	3-OCTANOL	0,01
22	30,10	LINALOOL cis-OXIDE	0,05
23	30,70	1-OCTEN-3-OL	0,01
24	31,57	MENTHONE	0,14
25	31,97	LINALOOL trans-OXIDE	0,05
26	32,53	OCTYL ACETATE	0,02
27	32,88	ISOGERANIAL	0,02
28	33,28	ISOMENTHONE	0,10
29	33,34	alpha-COPAENE	0,04
30	33,67	ISONERAL	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BASIL ESSENTIAL OIL (INDIA) – 11006

Peak	RT (min)	Compound name	%
31	34,52	CAMPHOR	0,02
32	34,88	alpha-BOURBONENE	0,01
33	35,35	beta-BOURBONENE	0,02
34	36,11	alpha-GURJUNENE	0,02
35	36,61	BERGAMOTENE ISOMER	0,02
36	36,65	beta1-CUBEBENE	0,02
37	37,28	LINALOOL	19,41
38	37,34	BERGAMOTENE ISOMER	0,02
39	37,66	1-OCTANOL	0,04
40	37,93	alpha-cis-BERGAMOTENE	0,01
41	38,20	MENTHYL ACETATE	0,03
42	38,62	epsilon-CADINENE	0,02
43	38,96	alpha-trans-BERGAMOTENE	0,02
44	39,61	beta-ELEMENE	0,03
45	39,74	beta-CARYOPHYLENE	0,61
46	39,93	NEOMENTHOL	0,04
47	40,11	SESQUITERPENE	0,03
48	40,35	TERPINENE-4-OL	0,56
49	40,96	HOTRIENOL	0,02
50	42,79	MENTHOL	0,65
51	43,55	FARNESENE ISOMER	0,07
52	45,27	ESTRAGOL	71,90
53	45,40	alpha-HUMULENE	0,26
54	45,49	NERAL	0,40
55	45,73	E-beta-FARNESENE	0,09
56	45,98	gamma-MUUROLENE	0,01
57	46,22	alpha-TERPINEOL	0,15
58	47,09	GERMACRENE D	0,45
59	47,45	MUUROLADIENE ISOMER	0,01
60	47,65	beta-SELINENE	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BASIL ESSENTIAL OIL (INDIA) – 11006

Peak	RT (min)	Compound name	%
61	47,79	HEXENYLIC ESTER	0,12
62	47,95	alpha-MUUROLENE	0,05
63	48,15	beta-BISABOLENE	0,11
64	48,38	GERANIAL	0,64
65	48,48	BICYCLOGERMACRENE	0,04
66	48,62	LINALOOL PYRANOID cis-OXIDE	0,01
67	49,91	delta-CADINENE	0,05
68	49,96	GERANYL ACETATE	0,02
69	50,27	LINALOOL PYRANOID trans-OXIDE	0,01
70	50,62	alpha-CURCUMENE	0,02
71	50,98	trans-alpha-BISABOLENE	1,92
72	52,22	NEROL	0,05
73	53,87	trans-ANETHOL	0,01
74	54,86	GERANIOL	0,06
75	60,14	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0,02
76	61,77	ISOCARYOPHYLLENE EPOXIDE	0,01
77	62,27	CARYOPHYLLENE EPOXIDE	0,04
78	63,92	METHYLEUGENOL	0,03
79	64,52	ANISALDEHYDE	0,01
80	64,85	epoxy-6,7-HUMULENE	0,01
81	65,22	NEROLIDOL	0,06
82	69,44	SPATHULENOL	0,02
83	71,66	EUGENOL	0,05
84	73,96	alpha-BISABOLOL	0,03
85	74,62	beta-EUDESMOL	0,02
86	74,71	alpha-CADINOL	0,01
87	79,77	CHAVICOL	0,06
88	81,28	GERANIC ACID	0,01
89	89,32	CINNAMALDEHYDE, 3-METHOXY-	0,09
90	95,94	4-METHOXYPHENYL, 2-PROPANONE- Mw=164	0,05
		TOTAL	99,99

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