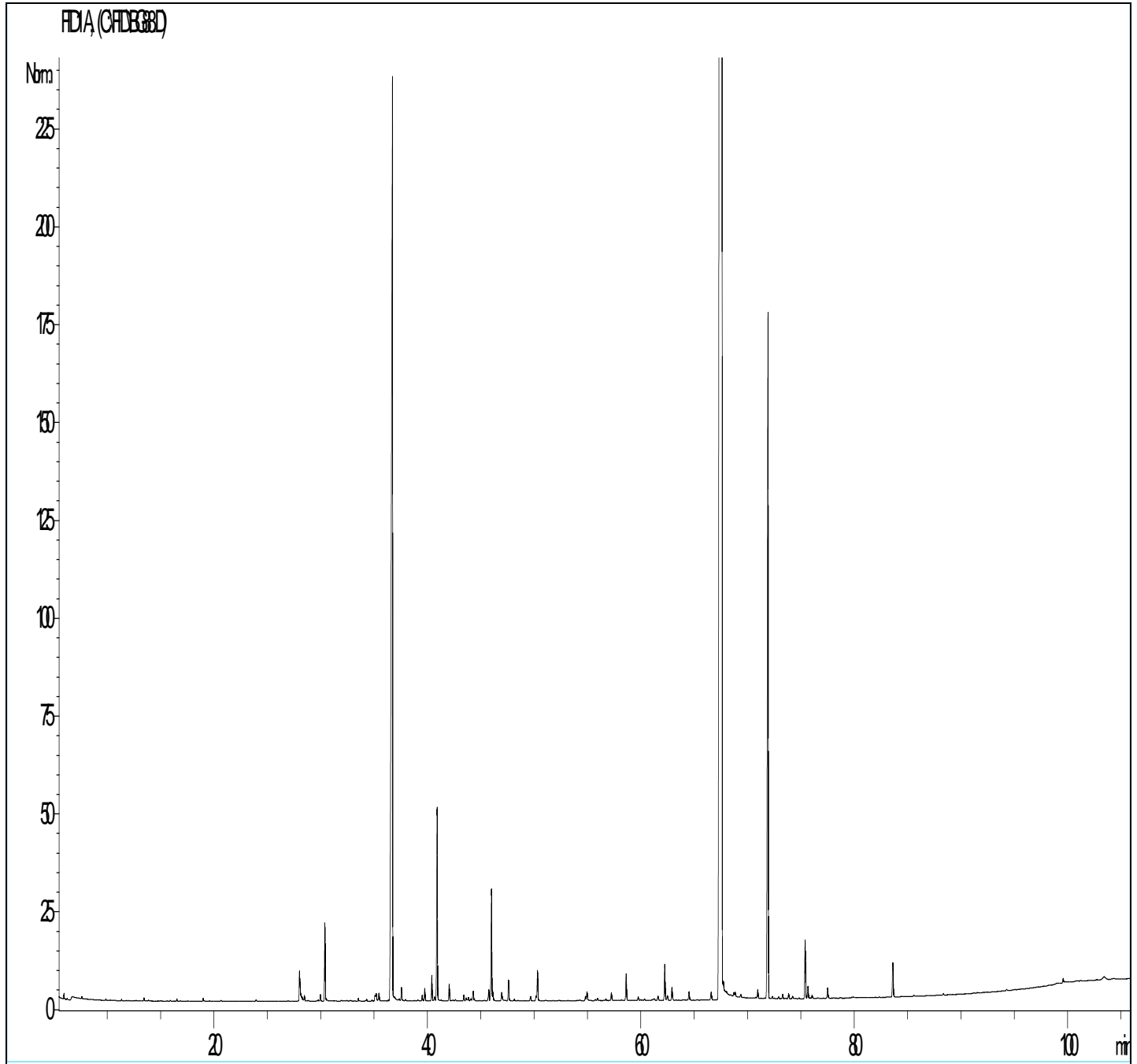


## GCMS ANALYSIS

PRODUCT NAME: CLOVE BUD (INDIA) ESSENTIAL OIL - 11301

DATE: April 13, 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: CLOVE BUD (INDIA) ESSENTIAL OIL - 11301

Peak	RT (min)	Compound name	%
1	5,95	ISOVALERALDEHYDE	0,01
2	13,44	LIMONENE	0,01
3	18,98	1,3,7-NONATRIENE, 4,8-DIMETHYL-	0,01
4	28,01	FURFURAL	0,24
5	28,24	alpha-CUBEBENE	0,03
6	28,47	SESQUITERPENE	0,03
7	29,96	SESQUITERPENE	0,03
8	30,39	alpha-COPAENE	0,43
9	33,52	LINALOOL	0,01
10	34,29	SESQUITERPENE	0,01
11	35,08	SESQUITERPENE	0,04
12	35,20	ISOCARYOPHYLLENE	0,05
13	35,45	SESQUITERPENE	0,05
14	36,72	<b>beta-CARYOPHYLLENE</b>	<b>9,24</b>
15	37,35	LINALYL PROPIONATE	0,01
16	37,56	SESQUITERPENE	0,07
17	39,51	ALLO-AROMADENDRENE	0,03
18	39,74	SESQUITERPENE	0,07
19	40,41	ZONARENE	0,14
20	40,66	SESQUITERPENE	0,03
21	40,91	alpha-HUMULENE	1,11
22	42,04	gamma-MUUROLENE	0,10
23	43,41	SESQUITERPENE	0,03
24	43,61	SESQUITERPENE	0,02
25	43,84	SESQUITERPENE	0,02
26	44,05	SESQUITERPENE	0,01
27	44,25	alpha-SELINENE	0,02
28	44,29	alpha-MUUROLENE	0,05
29	45,75	E,E-alpha-FARNESENE	0,06
30	46,00	delta-CADINENE	0,66

### Disclaimer & Caution

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CLOVE BUD (INDIA) ESSENTIAL OIL - 11301

Peak	RT (min)	Compound name	%
31	46,13	gamma-CADINENE	0,05
32	46,95	METHYL SALICYLATE	0,07
33	47,59	CADINA-1,4-DIENE	0,12
34	49,66	SESQUITERPENE Mw=202	0,03
35	50,17	trans-ANETHOL	0,03
36	50,31	CALAMENENE	0,18
37	54,81	alpha-CALACORENE	0,02
38	54,95	AROMATIC COMPOUND Mw=164	0,06
39	55,93	HUMULENE EPOXIDE	0,01
40	56,71	CHAVICYL ACETATE	0,01
41	57,23	SESQUITERPENIC EPOXIDE	0,05
42	58,62	CARYOPHYLLENE OXIDE	0,17
43	59,75	SESQUITERPENIC EPOXIDE	0,02
44	61,60	EPOXY-6,7-HUMULENE	0,03
45	62,24	CARYOPHYLLENOL	0,23
46	62,48	Epi-CUBENOL	0,03
47	62,91	CUBENOL	0,09
48	64,52	AROMATIC COMPOUND	0,06
49	66,59	SESQUITERPENOL	0,06
50	67,59	<b>EUGENOL</b>	<b>80,18</b>
51	67,74	T-CADINOL	0,03
52	68,71	SESQUITERPENOL	0,02
53	68,83	alpha-MUUROLOL	0,03
54	69,36	delta-CADINOL	0,02
55	70,78	alpha-CADINOL	0,01
56	70,95	AROMATIC COMPOUND Mw=166	0,06
57	71,91	<b>EUGENYL ACETATE</b>	<b>4,71</b>
58	72,32	ALIPHATIC ESTER	0,01
59	72,91	SESQUITERPENIC EPOXIDE	0,01
60	73,29	SESQUITERPENIC EPOXIDE	0,03

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### GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CLOVE BUD (INDIA) ESSENTIAL OIL - 11301

Peak	RT (min)	Compound name	%
61	73,85	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,04
62	74,22	SESQUITERPENIC EPOXIDE	0,02
63	75,39	CHAVICOL	0,38
64	75,66	SESQUITERPENIC EPOXIDE	0,08
65	76,04	ISOEUGENOL	0,03
66	77,50	SESQUITERPENIC EPOXIDE	0,07
67	83,62	2',3',4'-TRIMETHOXYACETOPHENONE	0,23
68	88,36	BENZYL BENZOATE	0,01
69	99,58	SESQUITERPENIC EPOXIDE	0,03
		<b>TOTAL</b>	<b>100,00</b>

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