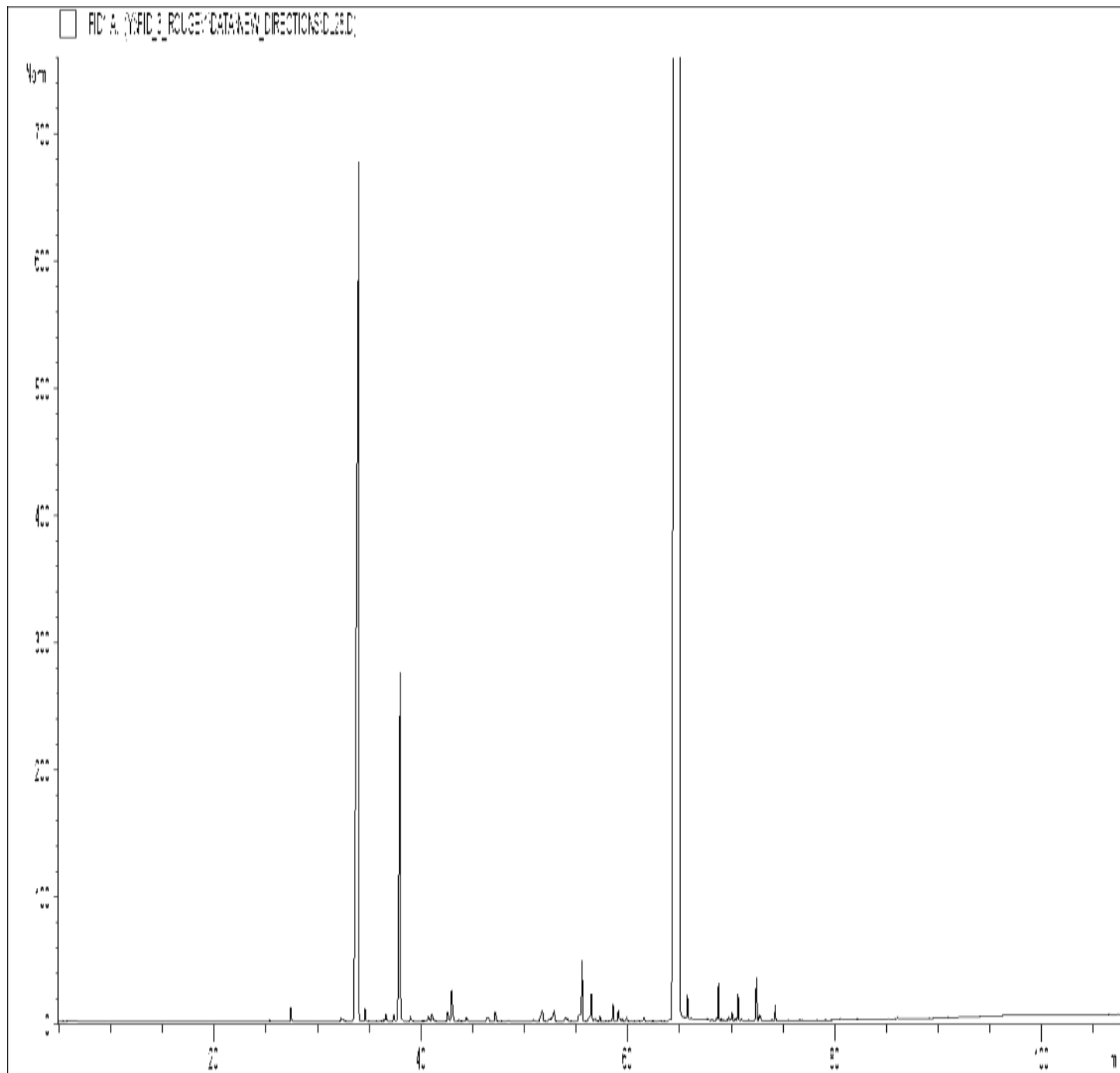


## GCMS ANALYSIS

PRODUCT NAME: CLOVE LEAF (INDONESIA) ESSENTIAL OIL (RECTIFIED) - 11294

DATE: December 22, 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 LEAF (INDONESIA) ESSENTIAL OIL (RECTIFIED) – 11294

Peak	RT (min)	Compound name	%
1	25,35	alpha-CUBEBENE	0,01
2	27,40	alpha-COPAENE	0,06
3	32,25	ISOCARYOPHYLLENE	0,02
4	32,47	ALIPHATIC ESTER	0,02
5	33,99	<b>beta-CARYOPHYLLENE</b>	<b>8,45</b>
6	34,59	SESQUITERPENE	0,05
7	36,42	ALLO-AROMADENDRENE	0,01
8	36,59	SESQUITERPENE	0,04
9	37,37	ZONARENE	0,03
10	37,98	alpha-HUMULENE	1,93
11	38,21	gamma-SELINENE	0,01
12	38,96	gamma-MUUROLENE	0,03
13	40,68	beta-SELINENE	0,03
14	41,05	alpha-SELINENE	0,04
15	41,10	alpha-MUUROLENE	0,02
16	42,55	alpha-FARNESENE	0,06
17	42,97	delta-CADINENE	0,20
18	43,64	METHYL SALICYLATE	0,01
19	44,35	CADINA-1,4-DIENE	0,03
20	46,40	SESQUITERPENOL	0,04
21	47,16	CALAMENENE	0,06
22	48,53	COMPOUND Mw = 200	0,01
23	50,98	COMPOUND Mw = 200	0,02
24	51,72	COMPOUND Mw = 164	0,11
25	52,49	COMPOUND Mw = 220	0,02
26	52,87	COMPOUND Mw = 164	0,10
27	53,98	SESQUITERPENOL	0,03
28	54,16	SESQUITERPENIC EPOXIDE	0,02
29	55,56	CARYOPHYLLENE OXIDE	0,33
30	56,46	SESQUITERPENIC EPOXIDE	0,16

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### GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CLOVE LEAF (INDONESIA) ESSENTIAL OIL (RECTIFIED) – 11294

Peak	RT (min)	Compound name	%
31	56,82	METHYLEUGENOL	0,02
32	57,29	SESQUITERPENIC EPOXIDE	0,02
33	58,56	epoxy-6,7-HUMULENE	0,07
34	59,03	NEROLIDOL	0,01
35	59,03	CARYOPHYLLENOL	0,05
36	59,41	epi-CUBENOL	0,01
37	59,81	CUBENOL	0,02
38	61,52	DIHYDROEUGENOL	0,02
39	63,76	SESQUITERPENOL	0,02
40	64,99	<b>EUGENOL</b>	<b>87,12</b>
41	65,74	AROMATIC COMPOUND Mw=164	0,08
42	68,58	AROMATIC COMPOUND	0,01
43	68,75	<b>EUGENYL ACETATE</b>	<b>0,18</b>
44	69,75	SESQUITERPENIC EPOXIDE	0,01
45	70,08	COMPOUND Mw= 220	0,03
46	70,66	CARYOPHYLLA-2,7-DIEN-alpha-OL	0,09
47	72,45	CHAVICOL	0,20
48	72,73	SESQUITERPENIC EPOXIDE	0,02
49	72,85	ISOEUGENOL	0,02
50	74,26	SESQUITERPENIC EPOXIDE	0,05
		<b>TOTAL</b>	<b>100,00</b>

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