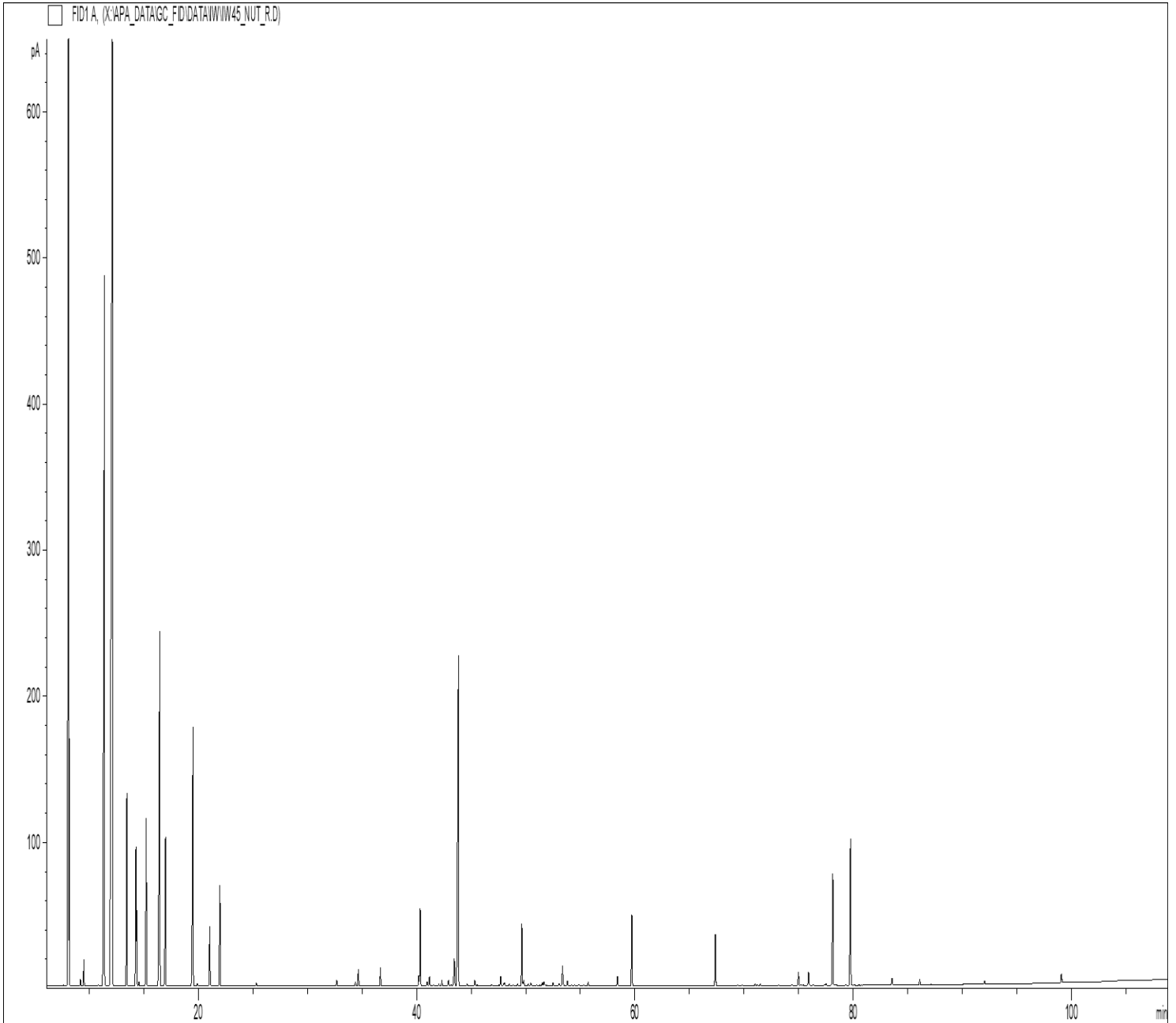


GCMS ANALYSIS

PRODUCT NAME: NUTMEG (INDIA) ESSENTIAL OIL – 11101

DATE: September 15, 2023



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: NUTMEG (INDIA) ESSENTIAL OIL – 11101

Peak	RT (min)	Compound name	%
1	8,13	alpha-PINENE	18,66
2	8,18	alpha-THUYENE	1,47
3	9,22	alpha-FENCHENE	0,07
4	9,53	CAMPHENE	0,28
5	10,84	TERPENE ISOMER	0,01
6	11,43	beta-PINENE	14,01
7	12,14	SABINENE	22,74
8	12,19	TERPENE ISOMER	0,03
9	13,47	delta3-CARENE	2,51
10	14,31	beta-MYRCENE	2,04
11	14,38	alpha-PHELLANDRENE	0,66
12	14,58	psi-LIMONENE	0,06
13	15,25	alpha-TERPINENE	2,27
14	16,49	LIMONENE	6,61
15	17,01	1,8-CINEOLE	2,13
16		beta-PHELLANDRENE	
17	19,54	gamma-TERPINENE	4,62
18	19,93	trans-beta-OCIMENE	0,03
19	21,07	p-CYMENE	0,80
20	21,99	TERPINOLENE	1,45
21	25,32	ADAMANTANOL ISOMER Mw=152	0,04
22	31,87	COMPOUND Mw=166	0,01
23	32,69	alpha,p-DIMETHYLSTYRENE	0,09
24	34,41	alpha-CUBEBENE	0,06
25	34,68	trans-THUYANOL	0,23
26	36,71	alpha-COPAENE	0,27
27	39,80	beta1-CUBEBENE	0,02
28	40,21	cis-THUYANOL	0,14
29	40,35	LINALOOL	1,09
30	40,97	LINALYL ACETATE	0,06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: NUTMEG (INDIA) ESSENTIAL OIL – 11101

Peak	RT (min)	Compound name	%
31	41,19	trans-p-MENTH-2-EN-1-OL	0,14
32	42,05	epsilon-CADINENE	0,03
33	42,33	BORNYL ACETATE	0,08
34	42,53	FENCHOL	0,01
35	42,93	alpha-trans-BERGAMOTENE	0,09
36	43,17	beta-CUBEBENE	0,02
37	43,46	beta-CARYOPHYLLENE	0,24
38	43,50	AROMATIC COMPOUND Mw=178	0,28
39	43,84	TERPINENE-4-OL	6,93
40	44,64	TERPENIC ESTER	0,02
41	45,34	cis-p-MENTH-2-EN-1-OL	0,09
42	45,57	TERPENIC ESTER	0,02
43	46,88	trans-PINOCARVEOL	0,02
44	47,51	SESQUITERPENE	0,01
45	47,71	CITRONELLYL ACETATE	0,15
46	48,00	alpha-HUMULENE	0,04
47	48,08	E-beta-FARNESENE	0,04
48	48,50	cis-PIPERITOL	0,03
49	48,67	SESQUITERPENE	0,01
50	49,26	gamma-MUUROLENE	0,02
51	49,63	TERPENYL ACETATE	0,15
52	49,65	alpha-TERPINEOL	0,81
53	49,82	gamma-TERPINEOL	0,09
54	50,23	BORNEOL	0,03
55	50,48	GERMACRENE D	0,04
56	51,01	PIPERITONE	0,01
57	51,31	SESQUITERPENE	0,01
58	51,55	NERYL ACETATE	0,05
59	51,69	beta-BISABOLENE	0,07
60	51,94	SESQUITERPENE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: NUTMEG (INDIA) ESSENTIAL OIL – 11101

Peak	RT (min)	Compound name	%
61	52,52	trans-PIPERITOL	0,04
62	53,06	SESQUITERPENE	0,04
63	53,38	delta-CADINENE	0,16
64	53,40	GERANYL ACETATE	0,16
65	53,83	CITRONELLOL	0,08
66	54,21	SESQUITERPENE	0,01
67	54,48	trans-alpha-BISABOLENE	0,01
68	54,87	CADINA-1,4-DIENE	0,02
69	55,16	MYRTENOL	0,01
70	55,34	SESQUITERPENE	0,01
71	55,73	NEROL	0,05
72	57,72	CALAMENENE	0,01
73	58,40	p-CYMENE-8-OL	0,02
74	58,41	GERANIOL	0,13
75	59,72	SAFROLE	1,14
76	67,38	METHYLEUGENOL	0,78
77	71,00	ELEMOL	0,02
78	71,20	cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,02
79	71,49	GUAIOL	0,02
80	74,36	trans-1,2-DIHYDROXY-p-MENTH-2-ENE	0,01
81	74,98	EUGENOL	0,21
82	75,23	AROMATIC COMPOUND Mw=210	0,02
83	75,91	METHYLISOEUGENOL	0,20
84	77,50	ALIPHATIC ALCOHOL	0,03
85	78,12	ELEMICIN	1,86
86	79,74	MYRISTICIN	2,51
87	83,55	ISOEUGENOL	0,11
88	86,09	trans-ISOELEMICIN	0,08
89	90,15	LAURIC ACID	0,02
90	92,01	EUGENOL, METHOXY-	0,06

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: NUTMEG (INDIA) ESSENTIAL OIL – 11101

Peak	RT (min)	Compound name	%
91	99,06	MYRISTIC ACID	0,16
		TOTAL	99,98

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