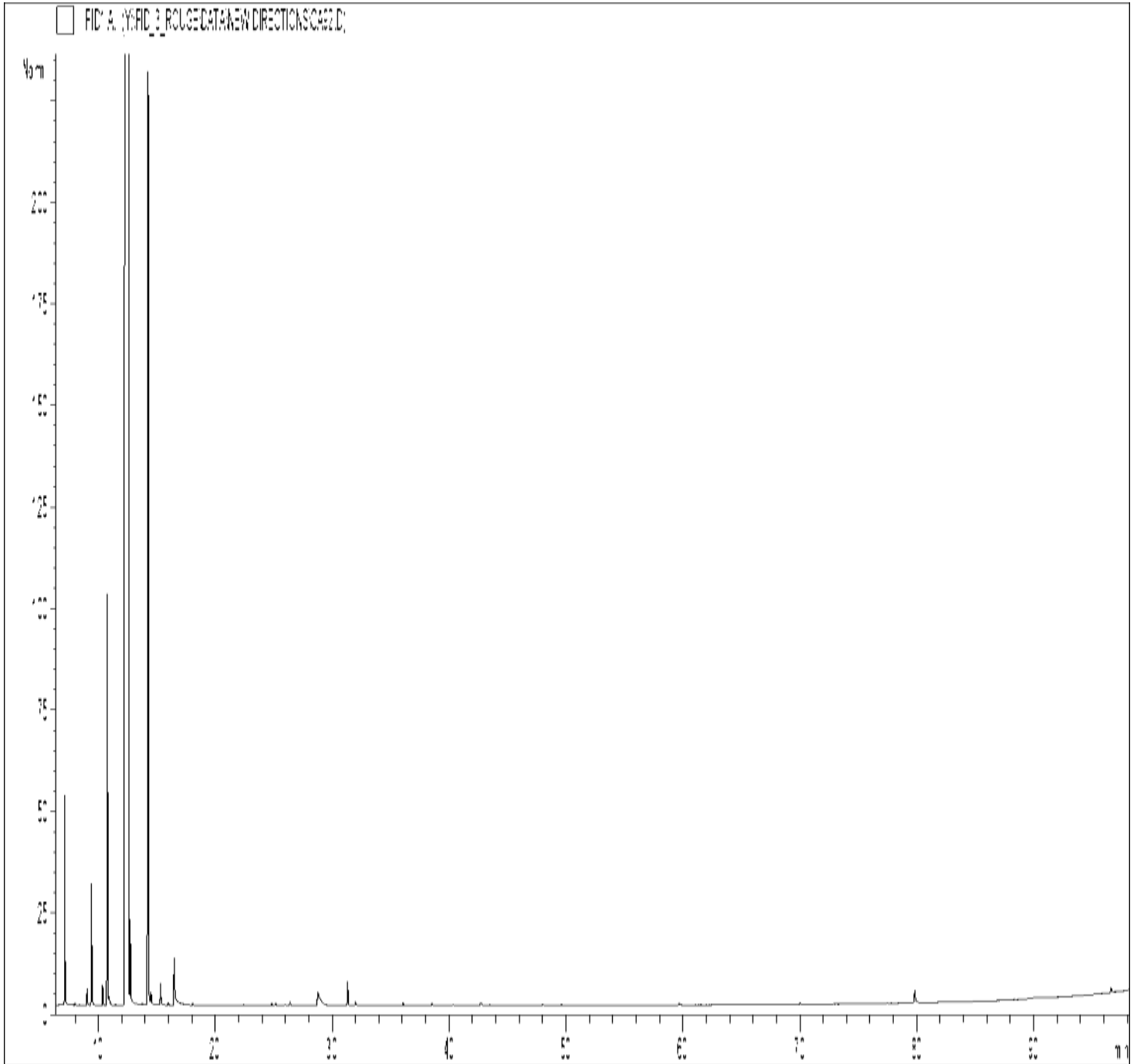




# NEW DIRECTIONS AROMATICS

## GCMS ANALYSIS

PRODUCT NAME: TANGERINE (NATURAL BLEND) ESSENTIAL OIL - 90011  
DATE: September 11, 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: TANGERINE (NATURAL BLEND) ESSENTIAL OIL - 90011

Peak	RT (min)	Compound name	%
1	5.04	ACETONE	0.10
2	7.11	alpha-PINENE	0.66
3	7.16	alpha-THUYENE	0.03
4	7.99	CAMPHENE	0.01
5	9.03	beta-PINENE	0.07
6	9.41	SABINENE	0.50
7	10.35	delta3-CARENE	0.11
8	10.76	beta-MYRCENE	1.79
9	10.92	alpha-PHELLANDRENE	0.06
10	10.99	psi-LIMONENE	0.02
11	11.45	alpha-TERPINENE	0.01
12	12.52	<b>LIMONENE</b>	<b>91.04</b>
13	12.70	beta-PHELLANDRENE	0.39
14	14.22	<b>gamma-TERPINENE</b>	<b>3.85</b>
15	14.49	trans-beta-OCIMENE	0.06
16	15.32	p-CYMENE	0.10
17	15.97	TERPINOLENE	0.01
18	16.49	OCTANAL	0.39
19	18.07	PINOL	0.01
20	22.42	NONANAL	0.02
21	25.15	cis-1,2- LIMONENE EPOXIDE	0.01
22	25.95	trans-1,2- LIMONENE EPOXIDE	0.02
23	26.39	trans-THUYANOL	0.01
24	27.19	delta-ELEMENE	0.01
25	27.33	CITRONELLAL	0.02
26	28.48	alpha-COPAENE	0.01
27	28.77	DECANAL	0.31
28	31.32	LINALOOL	0.12
29	31.99	1-OCTANOL	0.02
30	36.07	cis-p-2,8-MENTHADIEN-1-OL	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANGERINE (NATURAL BLEND) ESSENTIAL OIL - 90011

Peak	RT (min)	Compound name	%
31	38.54	trans-p-2,8-MENTHADIEN-1-OL	0.01
32	40.35	alpha-TERPINEOL	0.01
33	42.70	GERANIAL	0.03
34	48.00	trans-CARVEOL	0.02
35	49.61	cis-CARVEOL	0.01
36	59.69	GERMACRA-1,5-DIEN-4-OL	0.02
37	70.01	CAPRIC ACID	0.01
38	79.83	COMPOUND Mw=280	0.09
		<b>TOTAL</b>	<b>99.98</b>

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