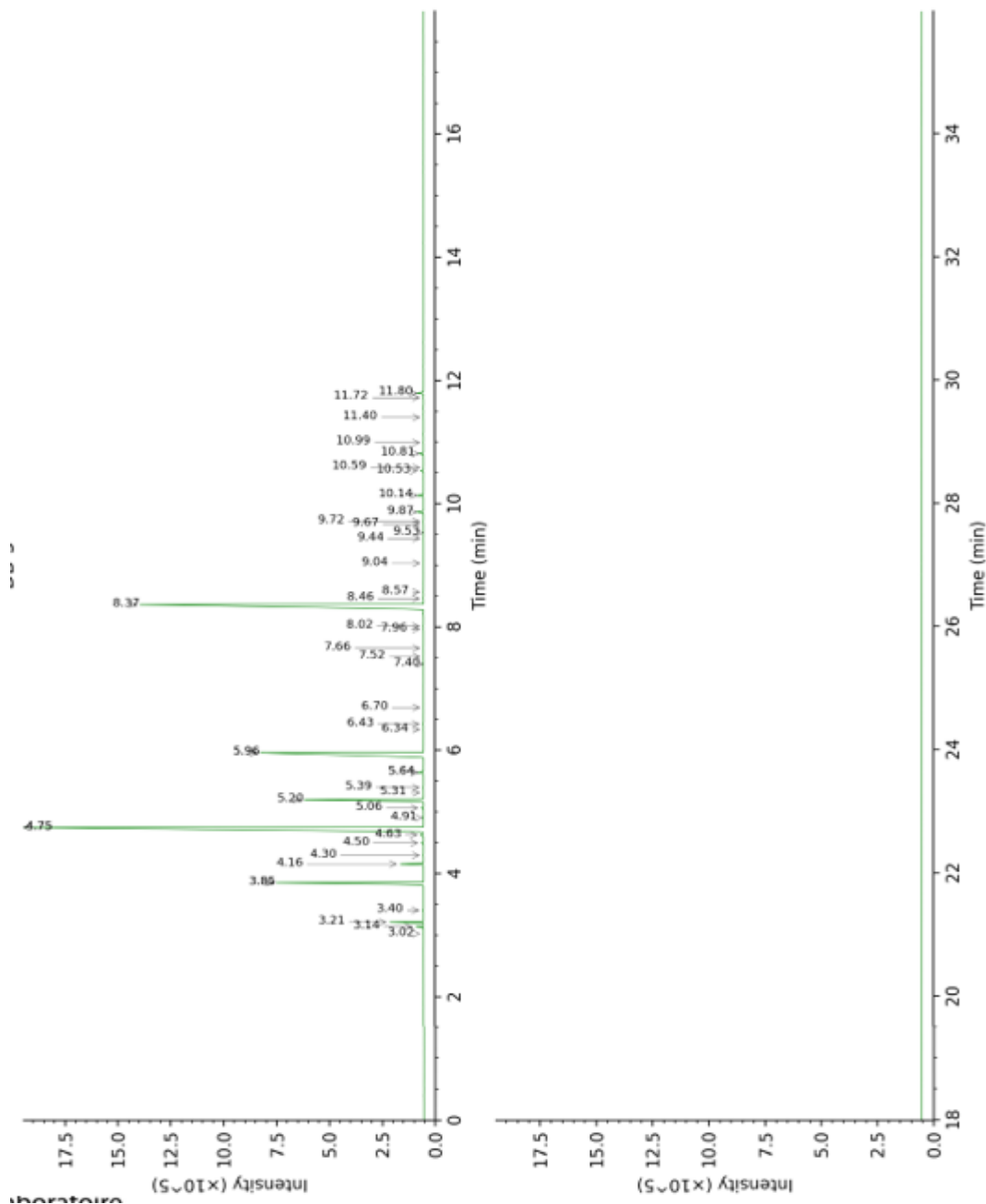


## GCMS ANALYSIS

PRODUCT NAME: BERGAMOT BERGAPTENE-FREE (CALABRIAN) ESSENTIAL OIL – 11227

Lot# 11227A10223

DATE: January 2, 2024



*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

PRODUCT NAME: BERGAMOT BERGAPTENE-FREE (CALABRIAN) ESSENTIAL OIL – 11227

Peak	RT (min)	Compound	%
1	3.02	Tricyclene	0.01
2	3.14	$\alpha$ -Thujene	0.28
3	3.21	$\alpha$ -Pinene	1.18
4	3.40	Camphene	0.04
5	3.85*	$\beta$ -Pinene	7.62
6	3.85*	Sabinene	[7.62]
7	4.16	Myrcene	0.90
8	4.30	$\alpha$ -Phellandrene	0.04
9	4.50	$\alpha$ -Terpinene	0.10
10	4.63	para-Cymene	0.22
11	4.75*	Limonene	37.79
12	4.75*	$\beta$ -Phellandrene	[37.79]
13	4.91	(Z)- $\beta$ -Ocimene	0.05
14	5.06	(E)- $\beta$ -Ocimene	0.10
15	5.20	$\gamma$ -Terpinene	5.85
16	5.31	cis-Sabinenehydrate	0.01
17	5.40	cis-Linalooloxide (fur.)	0.03
18	5.64*	Terpinolene	0.25
19	5.64*	trans-Linalooloxide (fur.)	[0.25]
20	5.96*	Linalool	15.47
21	5.96*	Nonanal	[15.47]
22	6.34	cis-Limoneneoxide	0.02
23	6.43	trans-Limoneneoxide	0.04
24	6.70	Citronellal	0.01
25	7.40	$\gamma$ -Terpineol	0.01
26	7.52	Decanal	0.01
27	7.66	Octyl acetate	0.01
28	7.96	Nerol	0.02
29	8.02	Neral	0.03
30	8.37	Linalyl acetate	28.13

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## GCMS ANALYSIS

**PRODUCT NAME: BERGAMOT BERGAPTENE-FREE (CALABRIAN) ESSENTIAL OIL – 11227**

Peak	RT (min)	Compound	%
31	8.46	( <i>trans</i> ?) - Linalool oxide acetate(fur.)?	0.04
32	8.57	Geranial	0.02
33	9.04	<i>cis</i> -para- Mentha-2,8- diene-1-hydroperoxide	tr
34	9.44	para-Mentha- 1,8-diene-4-hydroperoxide	0.01
35	9.53	Hodiendiolderivative	0.01
36	9.67	$\alpha$ -Terpinylacetate	0.01
37	9.72	Unknown [m/z 43, 121 (52), 93(48), 79 (33), 41 (30), 136 (26), 81 (25)...]	0.02
38	9.86	Neryl acetate	0.31
39	10.14	Geranyl acetate	0.29
40	10.53	$\beta$ -Caryophyllene	0.14
41	10.59	<i>cis</i> - $\alpha$ -Bergamotene	0.01
42	10.81	<i>trans</i> - $\alpha$ -Bergamotene	0.21
43	10.99	$\alpha$ -Humulene	0.02
44	11.40	Germacrene D	0.01
45	11.72	Hodiendiol derivative II	0.03
46	11.80	$\beta$ -Bisabolene	0.31
		<b>TOTAL</b>	<b>99.62</b>

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