

**Date:** June 4<sup>th</sup>, 2020

**CERTIFICATE OF ANALYSIS - GC PROFILING**

**Sample identification:** Eucalyptus globulus - 200306008

**Type:** Essential oil

**ANALYSIS**

Method: 10152018\_10:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

**Analysis date:** June 3<sup>rd</sup>, 2020

Physical aspect: Clear liquid

**CONCLUSION**

No adulterant, contaminant or diluent has been detected using this method.

**Analyzed and approved by:**

Dr. Hussam Bdour  
Chief Quality Control Chemist  
IL Health & Beauty Natural Oils Co., Inc.

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Peak	Compound	RT	Area Sum %
1	(3Z)-Hexenol	8.612	0.01
2	$\alpha$ -Thujene	9.085	0.01
3	$\alpha$ -Pinene	9.365	2.47
4	Camphene	10.085	0.02
5	Thuja-2,4(10)-diene	10.442	0.01
6	$\beta$ -Pinene	11.672	0.77
7	Myrcene	12.894	1.54
8	$\alpha$ -Phellandrene	13.512	1.62
9	$\delta$ 3-carene	13.904	0.04
10	1,4-Cineole & $\alpha$ -Terpinene	14.358	0.33
11	p-Cymene	15.142	11.63
12	Limonene	15.349	13.89
13	1,8-Cineole	15.685	62.64
14	(Z)- $\beta$ -Ocimene	16.179	0.35
15	(E)- $\beta$ -Ocimene	16.866	0.07
16	$\gamma$ -Terpinene	17.462	3.84
17	cis-p-Mentha-2,8-dien-1-ol	18.335	0.02
18	cis-Linalool oxide	18.482	0.01
19	$\alpha$ -Terpinolene	19.566	0.08
20	Linalool	20.771	0.03
21	Allo-Ocimene	23.029	0.04
22	cis-p-Mentha-2,8-dien-1-ol	23.282	0.02
23	$\delta$ -Terpineol	25.807	0.03
24	Isopulegol	26.552	0.13
25	Terpinen-4-ol	27.747	0.41
	<b>Total identified</b>		<b>100%</b>

