

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/5/2019 7:19:11 PM
 Sample Type : Essential Oil
 Sample Name : Lemon Eucalyptus - Barefut
 Sample ID : 0103
 Injection Volume : 0.10
 Instrument ID : GC-2

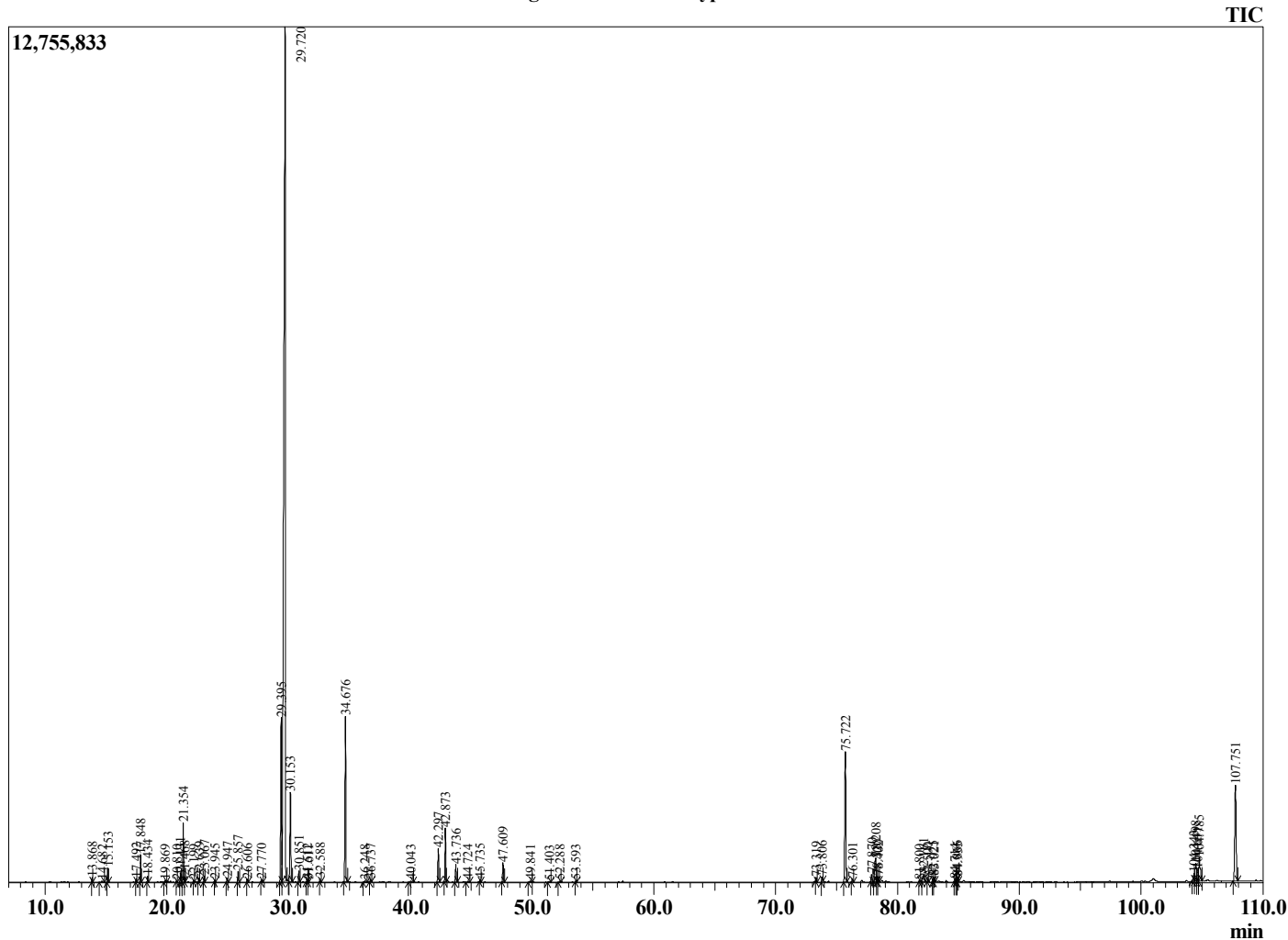


Peak Report TIC

R.Time	Name	Area%
13.868	Isobutyl isobutyrate	0.10
14.682	alpha-Thujene	0.03
15.153	alpha-Pinene	0.34
17.492	Sabinene	0.08
17.848	beta-Pinene	0.69
18.434	Myrcene	0.14
19.869	Isoamyl isobutyrate	0.04
20.810	para-Cymene	0.03
21.131	Limonene	0.24
21.354	1,8-Cineole	1.62
21.468	Z-beta-Ocimene	0.15
22.199	E-beta-Ocimene	0.03
22.639	Bergamal	0.10
23.067	gamma-Terpinene	0.16
23.945	3,8-p-Menthadiene	0.06
24.947	Terpinolene	0.12
25.857	Linalool	0.31
26.606	cis-Rose oxide	0.08
27.770	trans-Rose oxide	0.07
29.395	Isopulegol	5.57
29.720	Citronellal	57.38
30.153	iso-Isopulegol	3.70
30.851	neiso-Isopulegol	0.33
31.512	neo-Isopulegol	0.07
31.611	Terpinen-4-ol	0.04
32.588	alpha-Terpineol	0.10
34.676	Citronellol	5.56
36.248	Geraniol	0.03
36.737	Methyl citronellate	0.08
40.043	Citronellic acid	0.09
42.297	Citriodiol	1.10
42.873	Citronellyl acetate	1.65
43.736	Citriodiol isomer	0.59
44.724	Geranyl acetate	0.03
45.735	Unidentified	0.08
47.609	beta-Caryophyllene	0.62
49.841	alpha-Humulene	0.04
51.403	Germacrene D	0.03
52.288	Bicyclogermacrene	0.04
53.593	delta-Cadinene	0.04
73.319	Unidentified	0.13
73.806	Unidentified	0.15
75.722	Citriodiol acetal 1	5.99
76.301	Citriodiol acetal 2	0.12
77.870	Unidentified	0.30
78.208	Citriodiol acetal 3	1.44
78.320	Citriodiol acetal 4	0.16
78.402	Citriodiol acetal 5	0.16
81.800	Unidentified	0.05
82.161	Citriodiol acetal 6	0.41
82.500	Unidentified	0.11
82.925	Unidentified	0.17
83.021	Unidentified	0.17
84.714	Unidentified	0.11
84.866	Unidentified	0.16
84.935	Unidentified	0.15
104.343	Unidentified	0.34
104.498	Citriodiol acetal 7	1.00
104.611	Citriodiol acetal 8	0.37
104.785	Citriodiol acetal 9	1.42
107.751	Citriodiol acetal 10	5.50
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Lemon Eucalyptus - Barefut



Comments:

The analysis of this Lemon Eucalyptus batch sample meets the expected chemical profile for authentic essential oil of *Eucalyptus citriodora*. No contamination or adulteration was detected.