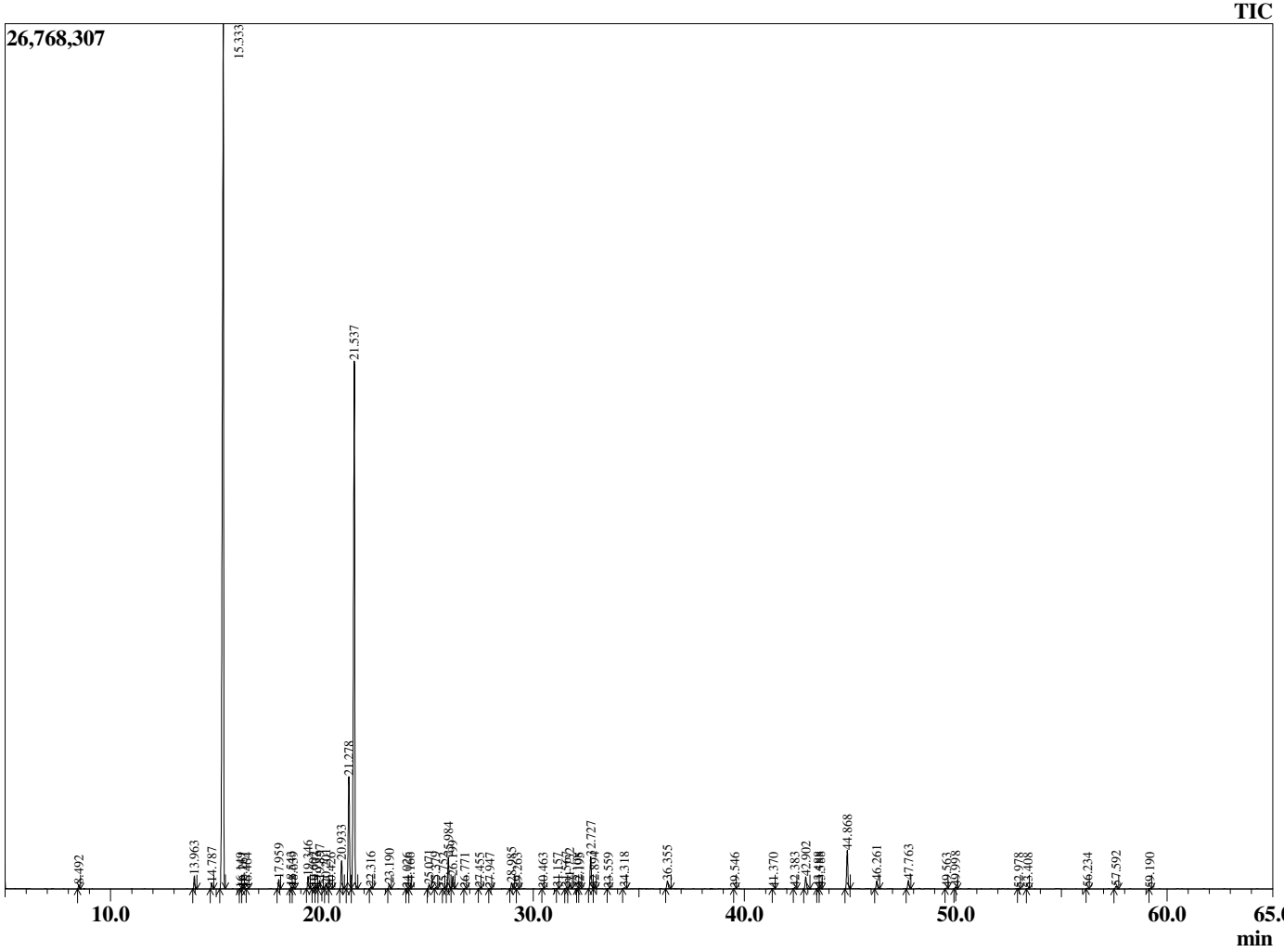
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 4/10/2019 8:58:03 AM
Sample Type : Essential Oil
Sample Name : Myrtle Oil, Tunisia - Barefut
Sample ID : 0105
Injection Volume : 0.10
Instrument ID: : GC-3

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

Chromatogram Myrtle Oil, Tunisia - Barefut



Comments:

The analysis of this Myrtle Oil, Tunisia batch sample meets the expected chemical profile for authentic essential oil of *Myrtus communis*. No contamination or adulteration was detected.

Peak Report TIC

R.Time	Name	Area%
8.492	Acetylbutyryl	0.14
13.963	Isobutyl isobutyrate	0.52
14.787	alpha-Thujene	0.26
15.333	alpha-Pinene	50.18
16.149	alpha-Fenchene	0.02
16.261	Camphene	0.06
16.464	Thuja-2,4(10)diene	0.02
17.959	beta-Pinene	0.40
18.543	Myrcene	0.08
18.639	Unidentified	0.06
19.346	Isobutyl 2-methylbutyrate	0.54
19.602	Unidentified	0.07
19.733	alpha-Phellandrene	0.07
19.897	delta-3-Carene	0.40
20.201	2-Methylbutyl isobutyrate	0.21
20.426	alpha-Terpinene	0.03
20.933	para-Cymene	1.38
21.278	Limonene	6.27
21.537	1,8-cineole	29.10
22.316	trans-beta-Ocimene	0.07
23.190	gamma-Terpinene	0.21
24.026	cis-Linalool oxide (furanoid)	0.02
24.166	Pinol	0.02
25.071	Terpinolene	0.19
25.379	para-Cymenene	0.05
25.752	Unidentified	0.02
25.984	Linalool	1.54
26.199	2-Methylbutyl-2-methylbutyrate	0.61
26.771	Thujol isomer	0.02
27.455	alpha-Fenchol	0.03
27.947	alpha-Campholenal	0.03
28.985	trans-Pinocarveol	0.32
29.263	trans-Verbenol	0.03
30.463	Pinocarvone	0.02
31.157	Borneol	0.03
31.567	Unidentified	0.05
31.732	Terpinen-4-ol	0.26
32.108	para-Cymen-8-ol	0.04
32.195	Unidentified	0.03
32.727	alpha-Terpineol	1.72
32.894	Estragole	0.07
33.559	Verbenone	0.02
34.318	trans-Carveol	0.06
36.355	Linalyl acetate	0.47
39.546	trans-Pinocarvyl acetate	0.03
41.370	Myrtenyl acetate	0.03
42.383	Unidentified	0.06
42.902	alpha-Terpinyl acetate	0.67
43.488	Unidentified	0.05
43.588	Neryl acetate	0.05
44.868	Geranyl acetate	2.04
46.261	Methyleugenol	0.43
47.763	beta-Caryophyllene	0.49
49.563	Unidentified	0.05
49.998	alpha-Humulene	0.11
52.978	Geranyl butyrate	0.02
53.408	Unidentified	0.03
56.234	Germacrene B	0.04
57.592	Caryophyllene oxide	0.16
59.190	Humulene epoxide II	0.02
		100.00