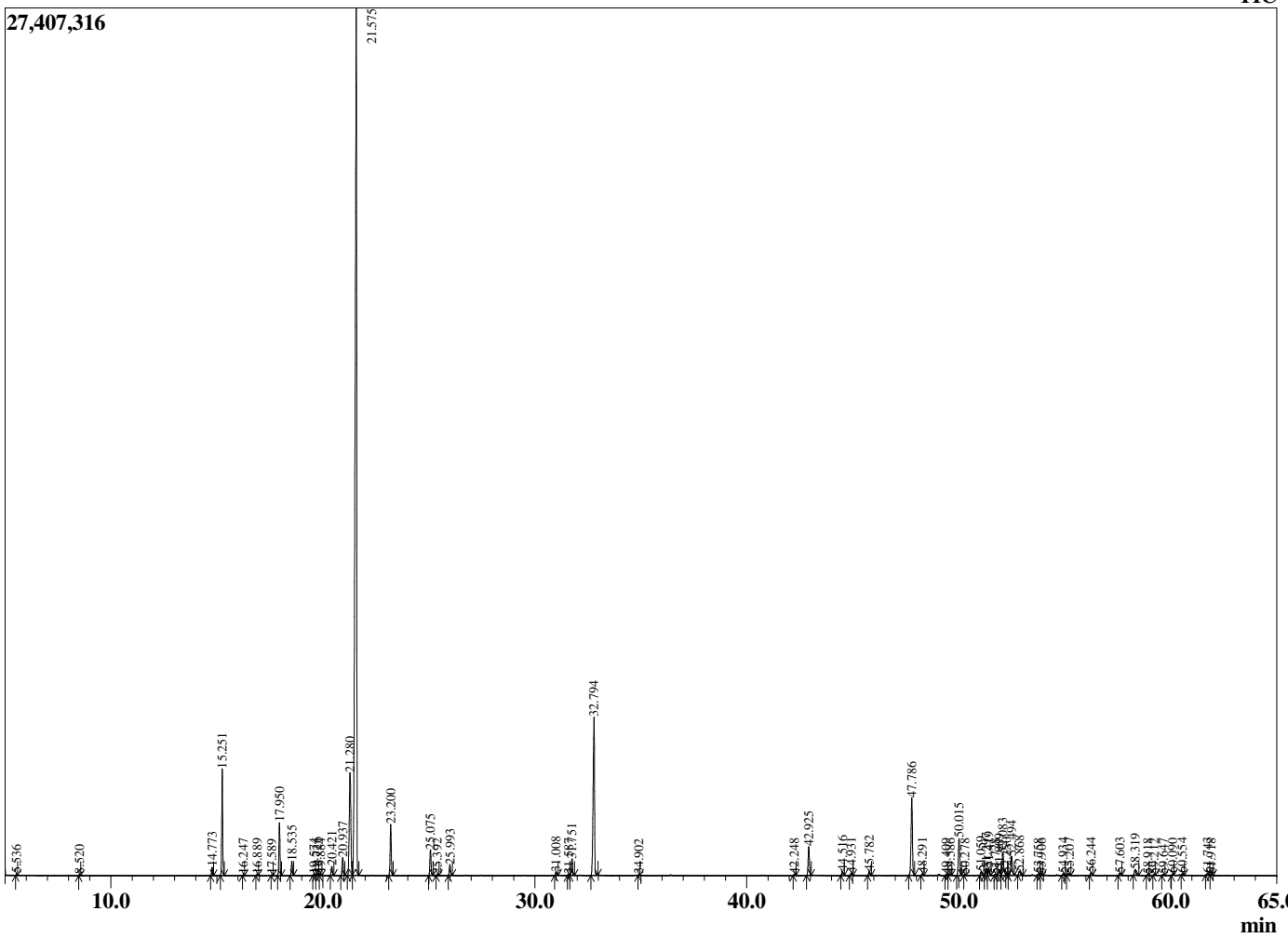
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 10/10/2018 12:10:12 PM
Sample Type : Essential Oil
Sample Name : Cajeput
Sample ID : A1121G
Injection Volume : 0.10
Instrument ID: : GC-2

Chromatogram Cajeput



Comments:
The analysis of this Cajeput Oil batch sample meets the expected chemical profile for authentic essential oil of *Melaleuca cajuputi*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

Peak Report TIC

R.Time	Name	Area%
5.536	2-Methylbutanal	0.04
8.520	2,4-dimethyl-3-pentanone	0.04
14.773	alpha-Thujene	0.32
15.251	alpha-Pinene	4.22
16.247	Camphene	0.03
16.889	Benzaldehyde	0.04
17.589	Sabinene	0.02
17.950	beta-Pinene	2.22
18.535	Myrcene	0.60
19.574	Pseudolimonene	0.05
19.726	alpha-Phellandrene	0.09
19.884	3-Carene	0.06
20.421	alpha-Terpinene	0.41
20.937	p-Cymene	0.90
21.280	Limonene	6.59
21.575	1,8-Cineole	55.59
23.200	gamma-Terpinene	2.32
25.075	Terpinolene	1.20
25.392	Dehydro-p-cymene	0.05
25.993	Linalool	0.52
31.008	Terpineol isomer	0.16
31.587	1,8-menthadien-4-ol	0.06
31.751	Terpinen-4-ol	0.80
32.794	alpha-Terpineol	9.27
34.902	2-Hydroxy-1,8-cineole	0.02
42.248	delta-Elemene	0.06
42.925	alpha-Terpinyl acetate	1.47
44.516	alpha-Ylangene	0.20
44.931	alpha-Copaene	0.14
45.782	beta-Elemene	0.21
47.786	beta-Caryophyllene	4.26
48.291	gamma-Elemene	0.09
49.409	beta-Gurjunene	0.06
49.586	Unidentified	0.07
50.015	alpha-Humulene	2.02
50.278	Alloaromadendrene	0.03
51.059	gamma-Selinene	0.19
51.297	Sesquiterpene	0.38
51.419	alpha-Amorphene	0.41
51.728	Sesquiterpene	0.06
51.909	delta-Selinene	0.35
52.083	beta-Selinene	1.45
52.250	trans-Muurola-4(14),5-diene	0.02
52.494	alpha-Selinene	1.14
52.868	delta-Amorphene	0.29
53.758	delta-Cadinene	0.08
53.906	Sesquiterpene	0.04
54.934	Sesquiterpene	0.10
55.207	Selina-3,7(11)-diene	0.16
56.244	Germacrene B	0.15
57.603	Caryophyllene oxide	0.14
58.319	Viridiflorol	0.35
58.918	Ledol	0.04
59.212	Humulene epoxide II	0.04
59.647	Unidentified	0.06
60.090	Unidentified	0.05
60.554	Unidentified	0.07
61.743	alpha-Eudesmol	0.13
61.918	Selina-6-en-4-ol	0.04
		100.00