

Sample Information

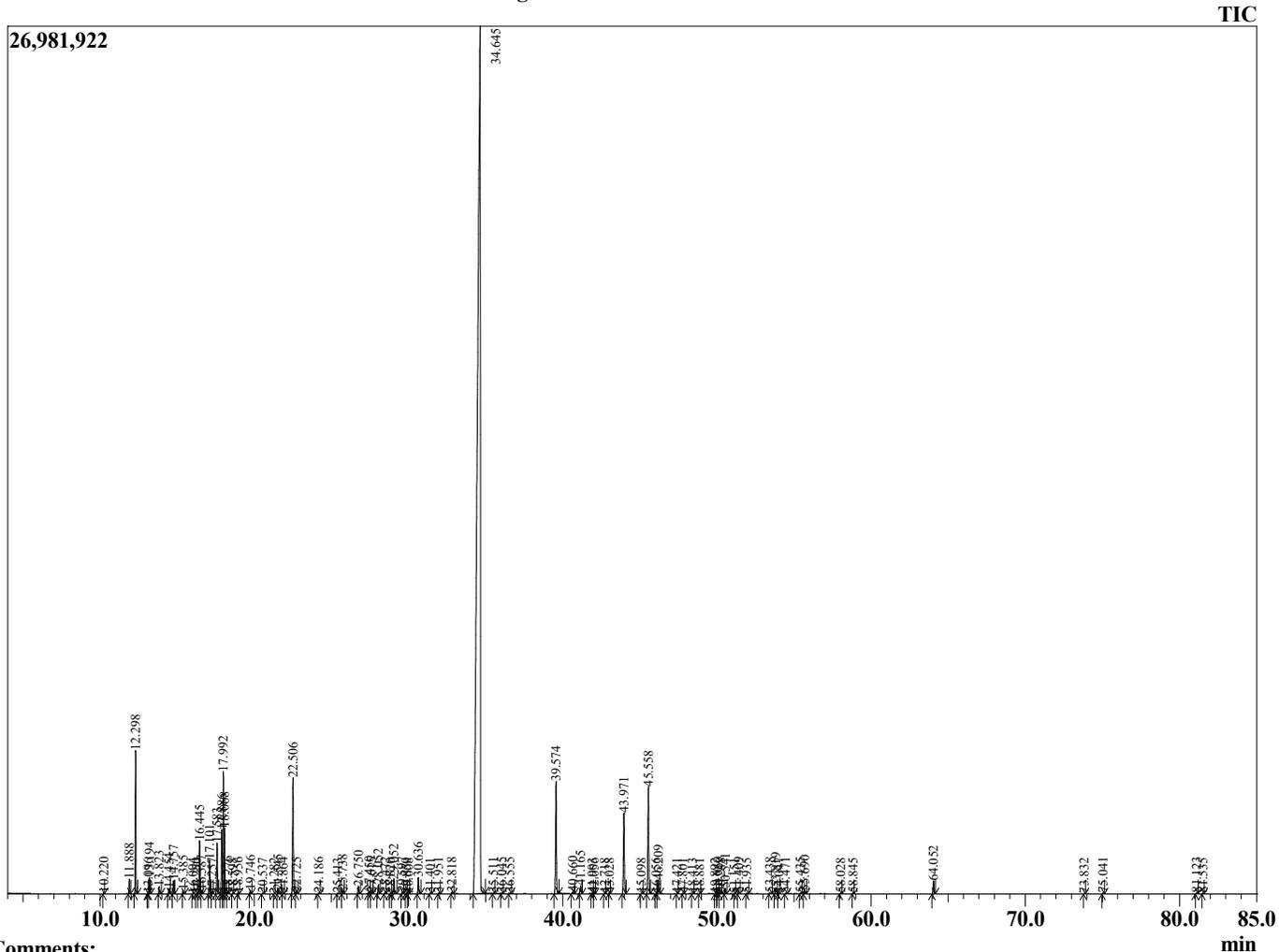
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/8/2022 9:20:18 PM
 Sample Type : Essential Oil
 Sample Name : Cinnamon Bark Oil - Revive
 Injection Volume : 0.10
 Lot Number : 1337
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
10.220	Styrene	0.02
11.888	alpha-Thujene	0.27
12.298	alpha-Pinene	2.65
13.096	alpha-Fenchene	0.01
13.194	Camphene	0.30
13.823	Benzaldehyde	0.15
14.454	Sabinene	0.11
14.757	beta-Pinene	0.27
15.385	Myrcene	0.07
16.004	delta-2-Carene	0.01
16.250	Octanal	0.01
16.445	alpha-Phellandrene	1.08
16.587	delta-3-Carene	0.07
17.101	alpha-Terpinene	0.71
17.257	ortho-Cymene	0.02
17.583	para-Cymene	1.09
17.886	Limonene	1.46
17.992	beta-Phellandrene	2.71
18.068	1,8-Cineole	1.34
18.276	cis-beta-Ocimene	0.05
18.598	2-Methyl-Butylbutyrate	0.01
18.956	trans-beta-Ocimene	0.03
19.746	gamma-Terpinene	0.08
20.537	trans-Sabinene hydrate	0.01
21.282	Isoterpinolene	0.01
21.545	Terpinolene	0.10
21.864	para-Cymene	0.03
22.506	Linalool	2.74
22.725	3-Methylbutyl-2-methylbutyrate	0.03
24.186	cis-para-Menth-2-en-1-ol	0.02
25.413	trans-para-Menth-2-en-1-ol	0.02
25.738	Camphor	0.09
26.750	Hydrocinnamaldehyde	0.19
27.450	Borneol	0.06
27.615	2-Methylbenzofuran	0.02
28.052	Terpinen-4-ol	0.24
28.472	Cryptone	0.03
28.820	Methyl salicylate	0.01
29.052	alpha-Terpineol	0.38
29.597	alpha-Phellandrene epoxide	0.03
29.850	Decanal	0.01
30.008	trans-Piperitol	0.01
30.636	cis-Cinnamaldehyde	0.41
31.401	Hydrocinnamic alcohol	0.01
31.951	Anisaldehyde isomer	0.02
32.818	Geraniol	0.04
34.645	trans-Cinnamaldehyde	73.09
35.511	Safrole	0.01
36.045	Carvacrol	0.02
36.555	trans-Cinnamyl alcohol	0.02
39.574	Eugenol	2.96
40.660	Hydrocinnamyl acetate	0.06
41.165	alpha-Copaene	0.22
41.903	Cinnamyl acetate analogue	0.01
42.056	beta-Elementene	0.01
42.718	Methyleugenol	0.01

Chromatogram Cinnamon Bark Oil - Revive



Comments:

The analysis of this Cinnamon Bark batch sample meets the expected chemical profile for authentic essential oil of *Cinnamomum zeylanicum*. 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.

R.Time	Name	Area%
43.028	cis-beta-Caryophyllene	0.01
43.971	trans-beta-Caryophyllene	2.22
45.098	Isopentyl-benzoate	0.01
45.558	trans-Cinnamyl acetate	2.92
46.056	Unidentified	0.01
46.209	alpha-Humulene	0.38
47.421	Unidentified	0.01
47.801	Ar-Curcumene	0.01
48.413	alpha-Bulnesene	0.01
48.881	alpha-Murolene	0.01
49.892	Spathulenol	0.01
50.060	delta-Cadinene	0.03
50.248	trans-Calamenene	0.02
50.541	ortho-Methoxy-trans-cinnamaldehyde	0.14
51.151	Unidentified	0.01
51.409	alpha-Calacorene	0.02
51.935	Unidentified	0.01
53.438	Caryolan-8-ol	0.04
53.819	Caryophyllene oxide	0.17
54.047	Unidentified	0.01
54.471	Unidentified	0.02
55.435	Humulene epoxide II	0.03
55.690	Tetradecanal	0.08
58.028	Unidentified	0.02
58.845	Unidentified	0.01
64.052	Benzyl benzoate	0.35
73.832	Phellandrene Dimer	0.01
75.041	Phellandrene Dimer	0.02
81.123	Unidentified	0.03
81.535	Unidentified	0.01
		100.00