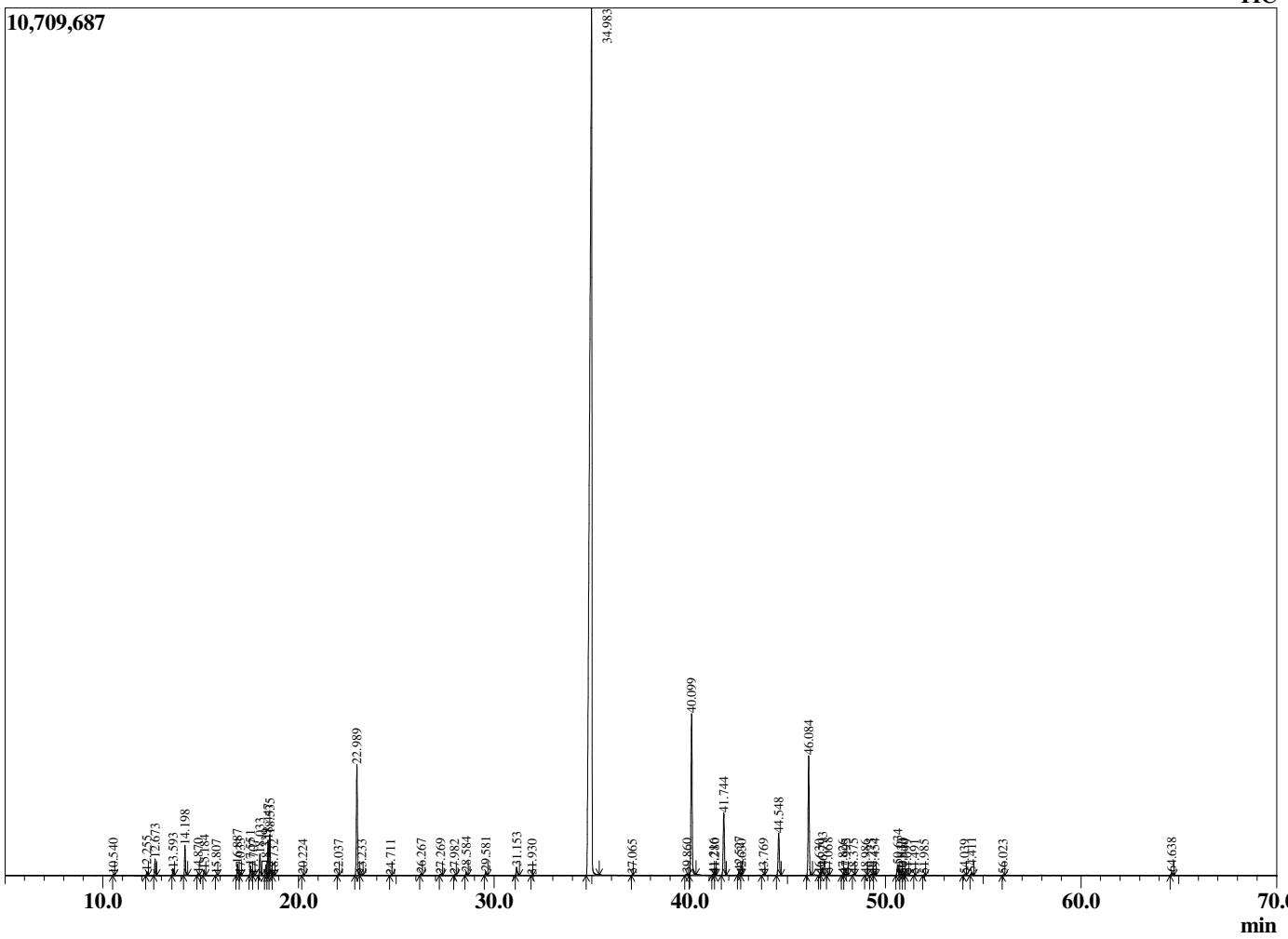
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 8/27/2019 4:12:16 AM
Sample Type : Essential Oil
Sample Name : Cinnamon Bark - Revive
Sample ID : E0C0712A
Injection Volume : 0.10
Instrument ID: : GC-4

Chromatogram Cinnamon Bark - Revive



Peak Report TIC

R.Time	Name	Area%
10.540	Styrene	0.03
12.255	alpha-Thujene	0.12
12.673	alpha-Pinene	0.51
13.593	Camphene	0.21
14.198	Benzaldehyde	0.97
14.870	Sabinene	0.05
15.184	beta-Pinene	0.18
15.807	Myrcene	0.02
16.887	alpha-Phellandrene	0.39
17.033	delta-3-Carene	0.03
17.551	alpha-Terpinene	0.32
17.707	ortho-Cymene	0.01
18.033	para-Cymene	0.76
18.339	Limonene	0.38
18.447	beta-Phellandrene	1.30
18.535	1,8-Cineole	1.47
18.732	cis-beta-Ocimene	0.02
20.224	gamma-Terpinene	0.03
22.037	Terpinolene	0.03
22.989	Linalool	4.17
23.233	2-Methylbutyl-2-methylbutyrate	0.03
24.711	Dehydrosabina ketone	0.01
26.267	Camphor	0.06
27.269	Hydrocinnamaldehyde	0.05
27.982	Borneol	0.02
28.584	Terpinen-4-ol	0.14
29.581	alpha-Terpineol	0.15
31.153	(Z)-Cinnamaldehyde	0.34
31.930	Hydrocinnamic alcohol	0.01
34.983	(E)-Cinnamaldehyde	69.70
37.065	(E)-Cinnamyl alcohol	0.01
39.860	alpha-Cubebene	0.08
40.099	Eugenol	7.00
41.216	Hydrocinnamyl acetate	0.06
41.280	Cyclosativene	0.02
41.744	alpha-Copaene	2.77
42.527	beta-Cubebene	0.15
42.630	beta-Elemene	0.01
43.769	alpha-Gurjunene	0.05
44.548	beta-Caryophyllene	1.92
46.084	(E)-Cinnamyl acetate	4.87
46.630	Unidentified	0.01
46.793	alpha-Humulene	0.35
47.068	Alloaromadendrene	0.07
47.826	10-beta-H-Cadina-1(6),4-diene	0.02
47.995	trans-Cadina-1(6),4-diene	0.08
48.375	Germacrene D	0.04
48.986	Unidentified	0.02
49.275	Unidentified	0.05
49.454	alpha-Muurolene	0.04
50.634	delta-Cadinene	0.48
50.833	trans-Calamenene	0.03
50.910	Zonarene	0.03
51.099	ortho-Methoxycinnamaldehyde	0.03
51.491	trans-Cadine-1,4-diene	0.01
51.985	Unidentified	0.03
54.039	Caryophyllene alcohol	0.03
54.411	Caryophyllene oxide	0.12
56.023	Humulene epoxide II	0.02
64.638	Benzyl benzoate	0.11
		100.00

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.

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