

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/4/2019 5:37:02 PM
 Sample Type : Essential Oil
 Sample Name : Cassia - Barefut
 Sample ID : 0107
 Injection Volume : 0.10
 Instrument ID : GC-4

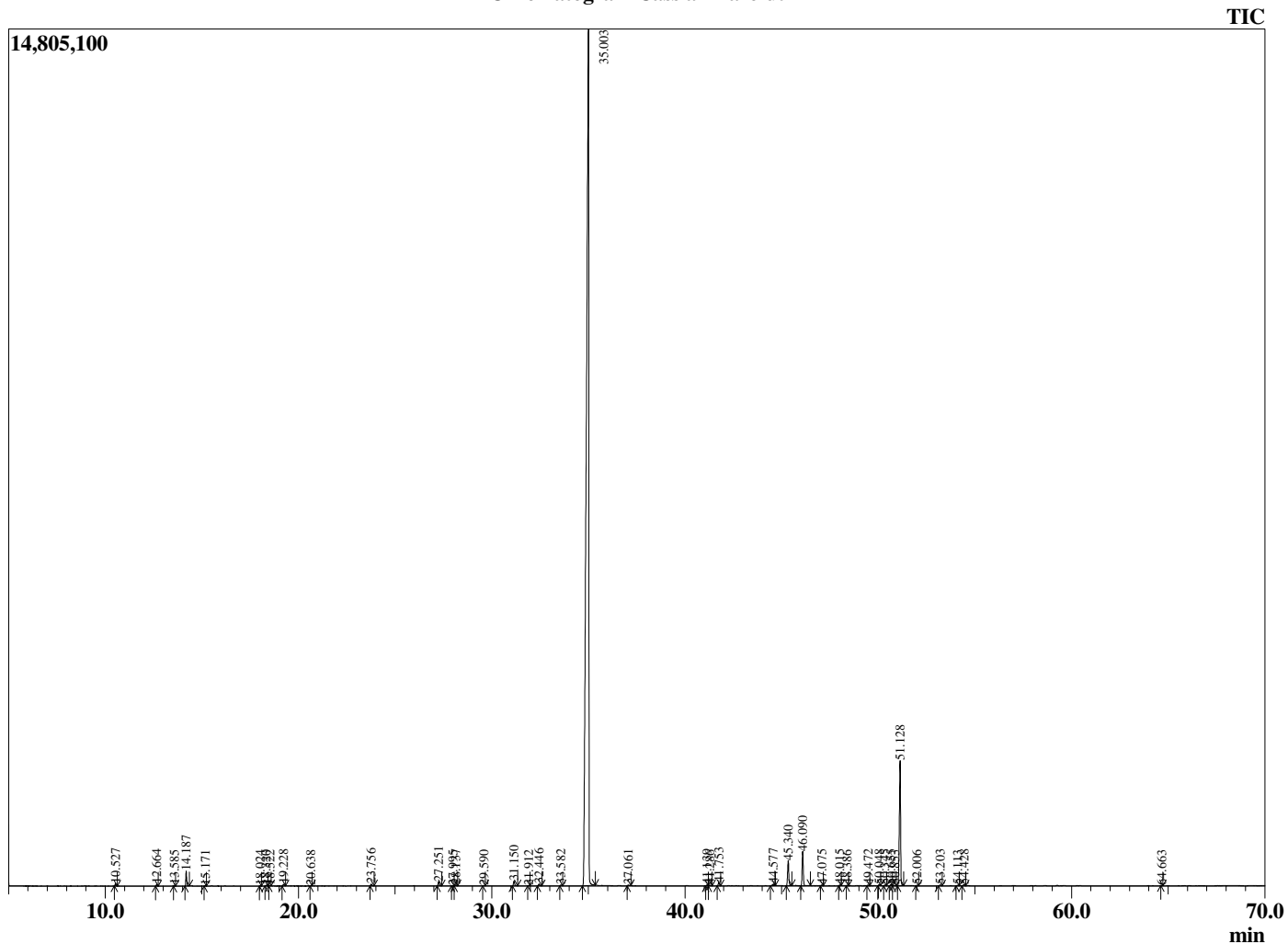


Peak Report TIC

R.Time	Name	Area%
10.527	Styrene	0.07
12.664	alpha-Pinene	0.06
13.585	Camphene	0.02
14.187	Benzaldehyde	0.55
15.171	beta-Pinene	0.02
18.024	para-Cymene	0.01
18.320	Limonene	0.03
18.522	1,8-cineole	0.02
19.228	Salicylaldehyde	0.08
20.638	Acetophenone	0.01
23.756	Phenethyl alcohol	0.09
27.251	Hydrocinnamaldehyde	0.21
27.995	Borneol	0.02
28.137	2-Methyl benzofuran	0.05
29.590	alpha-Terpineol	0.01
31.150	(Z)-Cinnamaldehyde	0.25
31.912	Hydrocinnamyl alcohol	0.01
32.446	ortho-Anisaldehyde	0.09
33.582	2-Phenethyl acetate	0.05
35.003	(E)-Cinnamaldehyde	87.72
37.061	(E)-Cinnamyl alcohol	0.05
41.139	Unidentified	0.03
41.286	Isoledene	0.03
41.753	alpha-Copaene	0.16
44.577	Unidentified	0.14
45.340	Coumarin	1.34
46.090	Cinnamyl acetate	1.71
47.075	Alloaromadendrene	0.04
48.015	trans-Cadina-1(6),4-diene	0.05
48.386	Ar-Curcumene	0.02
49.472	alpha-Murolene	0.03
50.048	beta-Bisabolene	0.05
50.345	gamma-Cadinene	0.03
50.655	delta-Cadinene	0.07
50.853	cis-Calamenene	0.03
51.128	ortho-Methoxycinnamaldehyde	6.66
52.006	Unidentified	0.03
53.203	trans-Nerolidol	0.04
54.113	Spathulenol	0.03
54.428	Caryophyllene oxide	0.06
64.663	Benzyl benzoate	0.01
		100.00

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

Chromatogram Cassia - Barefut



Comments:

The analysis of this Cassia batch sample meets the expected chemical profile for authentic essential oil of *Cinnamomum cassia*. No contamination or adulteration was detected.