

Sample Information

Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 8/30/2018 10:07:57 PM  
 Sample Type : Essential Oil  
 Sample Name : Cassia - Edens Garden  
 Sample ID : AH21HD  
 Injection Volume : 0.10  
 Instrument ID : GC-4

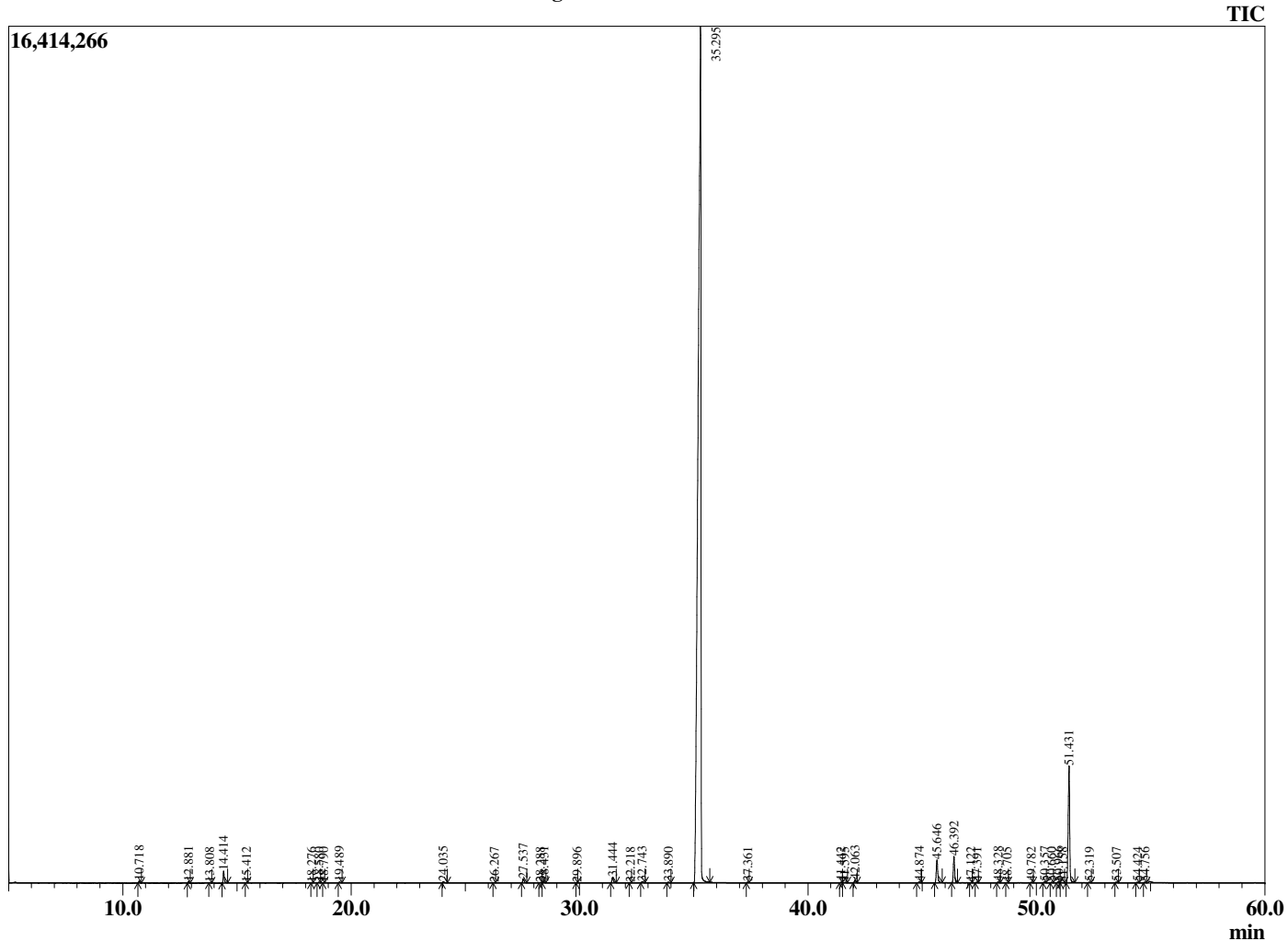


Peak Report TIC

R.Time	Name	Area%
10.718	Styrene	0.07
12.881	alpha-Pinene	0.05
13.808	Camphene	0.02
14.414	Benzaldehyde	0.48
15.412	beta-Pinene	0.01
18.276	para-Cymene	0.01
18.580	Limonene	0.03
18.790	1,8-cineole	0.01
19.489	Salicylaldehyde	0.04
24.035	Phenethyl alcohol	0.06
26.267	Unidentified	0.01
27.537	Hydrocinnamaldehyde	0.21
28.288	Borneol	0.02
28.431	2-Methylbenzofuran	0.06
29.896	alpha-Terpineol	0.01
31.444	(Z)-Cinnamaldehyde	0.28
32.218	Hydrocinnamyl alcohol	0.01
32.743	ortho-Anisaldehyde	0.07
33.890	2-Phenethyl acetate	0.04
35.295	(E)-Cinnamaldehyde	88.87
37.361	(E)-Cinnamyl alcohol	0.03
41.442	Unidentified	0.03
41.595	Unidentified	0.03
42.063	alpha-Copaene	0.15
44.874	beta-Caryophyllene	0.05
45.646	Coumarin	1.25
46.392	(E)-Cinnamyl acetate	1.29
47.122	alpha-Humulene	0.01
47.391	Alloaromadendrene	0.03
48.328	trans-Cadina-1(6),4-diene	0.04
48.705	Ar-Curcumene	0.02
49.782	alpha-Murolene	0.03
50.357	beta-Bisabolene	0.05
50.660	gamma-Cadinene	0.02
50.966	delta-Cadinene	0.06
51.158	trans-Calamenene	0.03
51.431	ortho-Methoxycinnamaldehyde	6.42
52.319	Unidentified	0.03
53.507	trans-Nerolidol	0.03
54.424	Spathulenol	0.03
54.756	Caryophyllene oxide	0.03
		100.00

This report is not valid after 1 year of the report date.

Chromatogram Cassia - Edens Garden



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.