



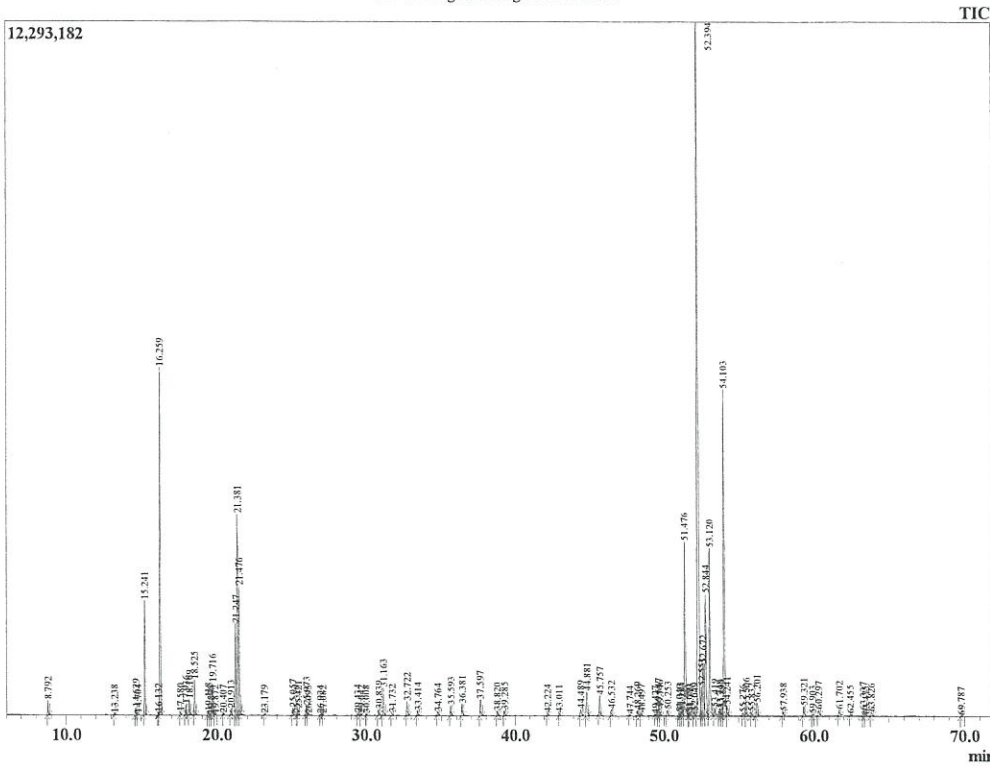
Ginger Cochin
(Zingiber officinale)
Lot#: CHP14-PY
Country: China

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Analyzed : 3/30/2018 7:59:13 PM
 Sample Type : Essential Oil
 Sample Name : Zingiber officinalis
 Injection Volume : 0.10

Sample Information

Chromatogram Zingiber officinalis



R.Time	Name	Area%
8.792	Hexanal	0.29
13.238	2-Heptanol	0.03
14.629	Tricyclene	0.17
14.764	alpha-Thujene	0.04
15.241	alpha-Pinene	2.74
16.132	alpha-Fenchene	0.06
16.259	Camphene	8.85
17.580	Sabinene	0.08
17.936	beta-Pinene	0.27
18.169	6-Methyl hept-5-en-2-one	0.42
18.525	Myrcene	0.89
19.418	Octanal	0.10
19.575	Pseudolimonene	0.03
19.716	alpha-Phellandrene	0.85
19.872	delta-3-Carene	0.04
20.407	alpha-Terpinene	0.04
20.913	para-Cymene	0.17
21.247	Limonene	2.73
21.381	beta-Phellandrene	5.70
21.476	1,8-Cineole	3.31
23.179	gamma-Terpinene	0.03
25.057	Terpinolene	0.22
25.320	2-Nonanone	0.05
25.421	Rosefuran	0.18
25.973	Linalool	0.30
26.095	2-Nonanol	0.03
26.924	Unidentified	0.03
27.082	Unidentified	0.03
29.434	Camphor	0.05
29.642	Citronellal	0.05
30.008	trans-beta-Terpineol	0.04
30.839	Isoborneol	0.15
31.163	Borneol	0.84
31.732	Terpinen-4-ol	0.08
32.722	alpha-Terpineol	0.46
33.414	Decanal	0.14
34.764	Citronellol	0.10
35.593	Neral	0.32
36.381	Geraniol	0.38
37.597	Geranial	0.50
38.820	Bornyl acetate	0.13
39.285	2-Undecanone	0.15
42.224	delta-Elementene	0.08
43.011	Citronellyl acetate	0.07
44.489	Isolindene	0.26
44.881	Geranyl acetate	1.02
45.757	beta-Elementene	0.66
46.532	Sesquithujene isomer	0.21
47.744	beta-Caryophyllene	0.03
48.269	gamma-Elementene	0.18
48.497	trans-alpha-Bergamotene	0.10
49.427	Unidentified	0.03
49.647	cis-beta-Farnesene	0.27
49.746	trans-beta-Farnesene	0.23
50.253	Alloaromadendrene	0.20
51.040	Selina-4,11-diene	0.08

R.Time	Name	Area%
51.123	trans-Cadina-1(6),4-diene	0.16
51.253	Unidentified	0.15
51.476	Ar-Curcumene	7.01
51.680	Farnesene isomer	0.07
51.773	Unidentified	0.12
52.049	beta-Selinene	0.16
52.394	alpha-Zingiberene	30.05
52.551	alpha-Selinene	1.14
52.672	trans-Muuroloa-4(14),5-diene	1.78
52.844	(E,E)-alpha-Farnesene	4.02
53.120	beta-Bisabolene	5.77
53.419	gamma-Cadinene	0.28
53.748	delta-Cadinene	0.20
53.899	(-)-alpha-Panasinsen	0.25
54.103	beta-Sesquiphellandrene	11.43
54.241	trans-gamma-Bisabolene	0.32
55.276	Cadinene ether	0.07
55.506	Elemol	0.33
55.832	cis-Sesquisabinene hydrate	0.12
56.201	trans-Nerolidol	0.58
57.938	trans-Sesquisabinene hydrate	0.15
59.321	Zingiberenol	0.32
59.903	10-epi-gamma-Eudesmol	0.04
60.297	Unidentified	0.27
61.702	alpha-Eudesmol	0.25
62.455	Unidentified	0.06
63.337	11-alpha-H-Himachal-4-en-1-beta-ol	0.18
63.475	Unidentified	0.07
63.826	(2E,6E)-Farnesol	0.14
69.787	Gingerol	0.03
		100.00