

Sample Information

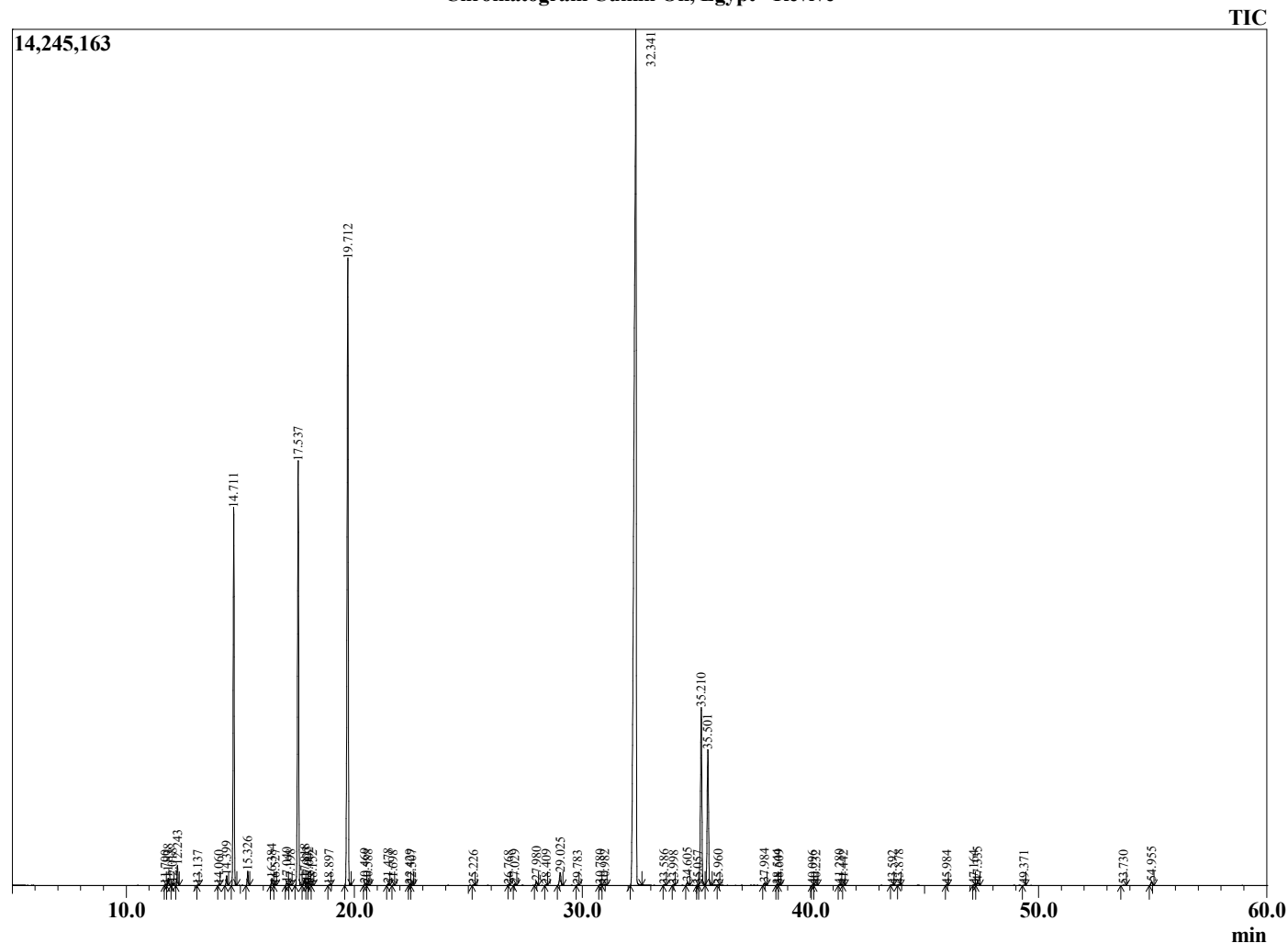
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/10/2023 4:12:52 AM
 Sample Type : Essential Oil
 Sample Name : Cumin Oil, Egypt - Revive
 Sample ID : 8F
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
11.700	Cumene	0.01
11.838	alpha-Thujene	0.16
12.018	1-Isopropylcyclohex-1-ene	0.05
12.243	alpha-Pinene	0.48
13.137	Camphene	0.01
14.060	Unidentified	0.01
14.399	Sabinene	0.25
14.711	beta-Pinene	9.55
15.326	Myrcene	0.37
16.384	alpha-Phellandrene	0.18
16.527	delta-3-Carene	0.03
17.040	alpha-Terpinene	0.08
17.198	ortho-Cymene	0.02
17.537	para-Cymene	11.96
17.818	Limonene	0.19
17.923	beta-Phellandrene	0.10
18.002	1,8-Cineole	0.08
18.152	Cymene analogue	0.01
18.897	trans-beta-Ocimene	0.02
19.712	gamma-Terpinene	18.79
20.469	trans-Sabinene hydrate	0.07
20.588	Pinol	0.04
21.478	Terpinolene	0.05
21.698	Fenchone	0.01
22.429	Linalool	0.03
22.507	cis-Sabinene hydrate	0.02
25.226	trans-Pinocarveol	0.02
26.768	Unidentified	0.01
27.029	Unidentified	0.05
27.980	Terpinen-4-ol	0.12
28.409	para-Cymen-8-ol	0.02
29.025	para-Menth-3-en-7-al	0.46
29.783	Decanal	0.01
30.780	2-Methyl-3-phenyl-propanal	0.04
30.982	4-Isopropylphenol	0.04
32.341	Cuminaldehyde	45.31
33.586	Dec-(2E)-enal	0.02
33.998	Unidentified	0.02
34.605	Phellandral	0.11
35.057	Isobornyl acetate	0.01
35.210	para-Mentha-1,3-dien-7-al	6.01
35.501	para-Mentha-1,4-dien-7-al	4.61
35.960	Carvacrol	0.01
37.984	para-Mentha-1,4-dien-7-ol	0.08
38.544	Unidentified	0.03
38.609	Unidentified	0.02
40.096	Unidentified	0.01
40.232	Unidentified	0.02
41.280	Daucene	0.03
41.442	Unidentified	0.01
43.592	Cumic acid	0.02
43.878	trans-beta-Caryophyllene	0.03
45.984	trans-beta-Farnesene	0.02
47.164	Dauca-5,8-diene	0.01
47.335	beta-Acoradiene	0.13
49.371	beta-Bisabolene	0.01
53.730	Caryophyllene oxide	0.01
54.955	Carotol	0.13
		100.00

Chromatogram Cumin Oil, Egypt - Revive



Comments:

The analysis of this Cumin batch sample meets the expected chemical profile for authentic essential oil of *Cuminum cyminum*. 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.