

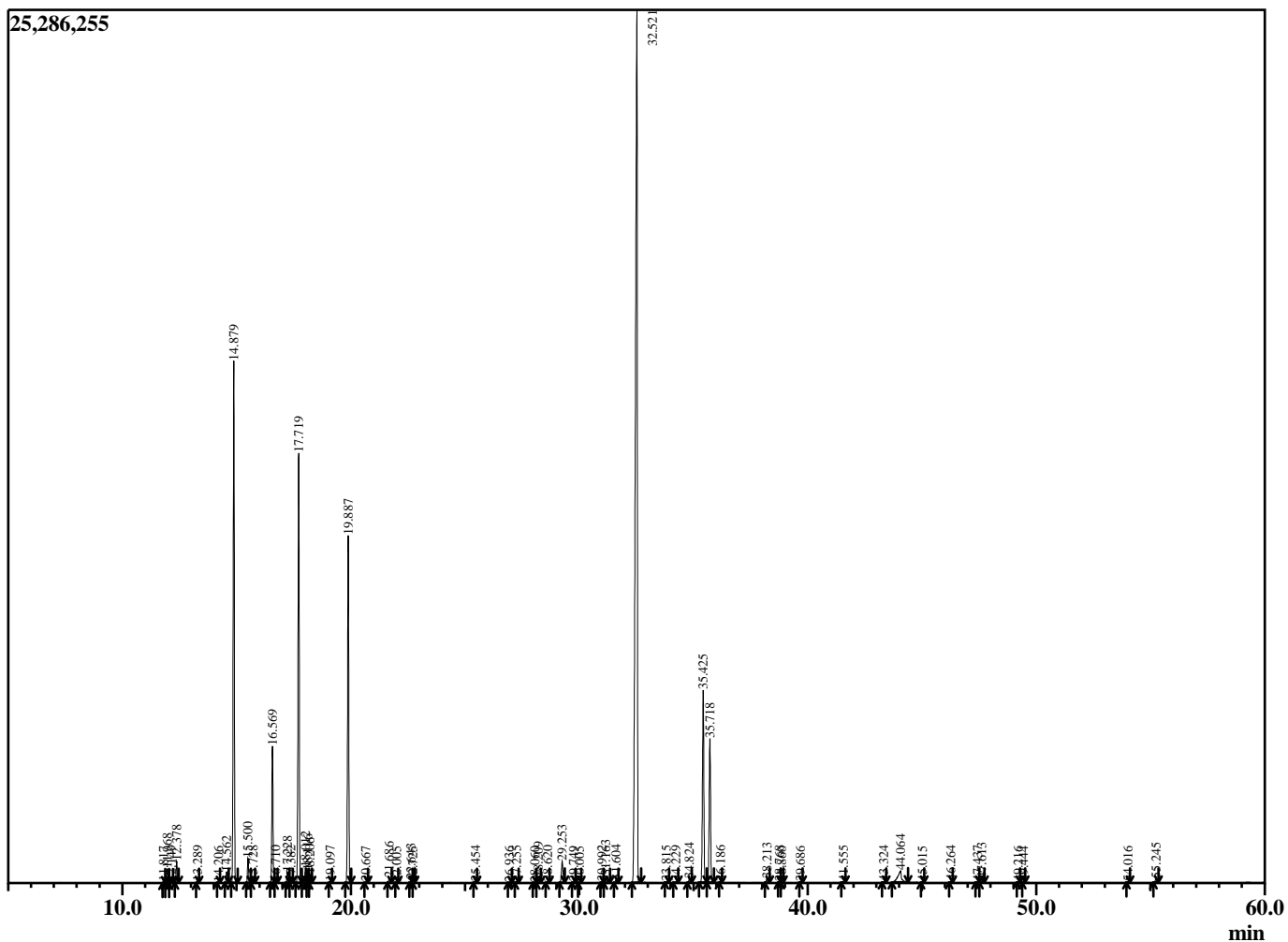
Sample Information

Sample Type : Essential Oil
 Sample Name : Cuminum cyminum
 Injection Volume : 0.10

Cumin Seed Egypt
 Lot# EGD9-DY
 Country: Egypt



Chromatogram Cuminum cyminum



R.Time	Name	Area%
11.817	Cumene	0.02
11.968	alpha-Thujene	0.34
12.149	1-Isopropylcyclohex-1-ene	0.03
12.378	alpha-Pinene	0.53
13.289	Camphene	0.03
14.206	Unidentified	0.01
14.562	Sabinene	0.29
14.879	beta-Pinene	14.38
15.500	Myrcene	0.64
15.728	cis-para-Menthane	0.03
16.569	alpha-Phellandrene	3.80
16.710	delta-3-Carene	0.03
17.228	alpha-Terpinene	0.30
17.382	ortho-Cymene	0.03
17.719	para-Cymene	12.35
18.012	Limonene	0.42
18.116	beta-Phellandrene	0.33
18.206	1,8-Cineole	0.24
19.097	trans-beta-Ocimene	0.03
19.887	gamma-Terpinene	10.20
20.667	trans-Sabinene hydrate	0.02
21.686	Terpinolene	0.14
22.005	para-Cymenene	0.01
22.643	Linalool	0.08
22.725	cis-Sabinene hydrate	0.02
25.454	trans-Pinocarveol	0.03
26.936	Pinocarvone	0.01
27.255	Unidentified	0.04
28.060	Unidentified	0.01
28.209	Terpinen-4-ol	0.16
28.620	para-Cymen-8-ol	0.03
29.253	alpha-Terpineol	0.74
29.749	alpha-Phellandrene epoxide	0.02
30.005	Decanal	0.02
30.992	Unidentified	0.03
31.163	3-Isopropyl phenol	0.23
31.604	4-Isopropyl phenol	0.08
32.521	Cuminal	41.27
33.815	2-trans-Decenal	0.03
34.229	Unidentified	0.04
34.824	Phellandral	0.12
35.425	alpha-Terpinen-7-al	6.38
35.718	gamma-Terpinene-7-al	4.80
36.186	Carvacrol	0.02
38.213	Unidentified	0.12
38.768	Unidentified	0.03
38.860	Unidentified	0.01
39.686	Eugenol	0.01
41.555	Daucene	0.04
43.324	Unidentified	0.03
44.064	Cumic acid	1.05
45.015	trans-alpha-Bergamotene	0.01
46.264	trans-beta-Farnesene	0.03
47.437	Germacrene D	0.02
47.613	beta-Acoradiene	0.13
49.216	Isodaucene	0.01
49.444	Unidentified	0.01
54.016	Caryophyllene oxide	0.01
55.245	Carotol	0.13
		100.00