

Sample Information

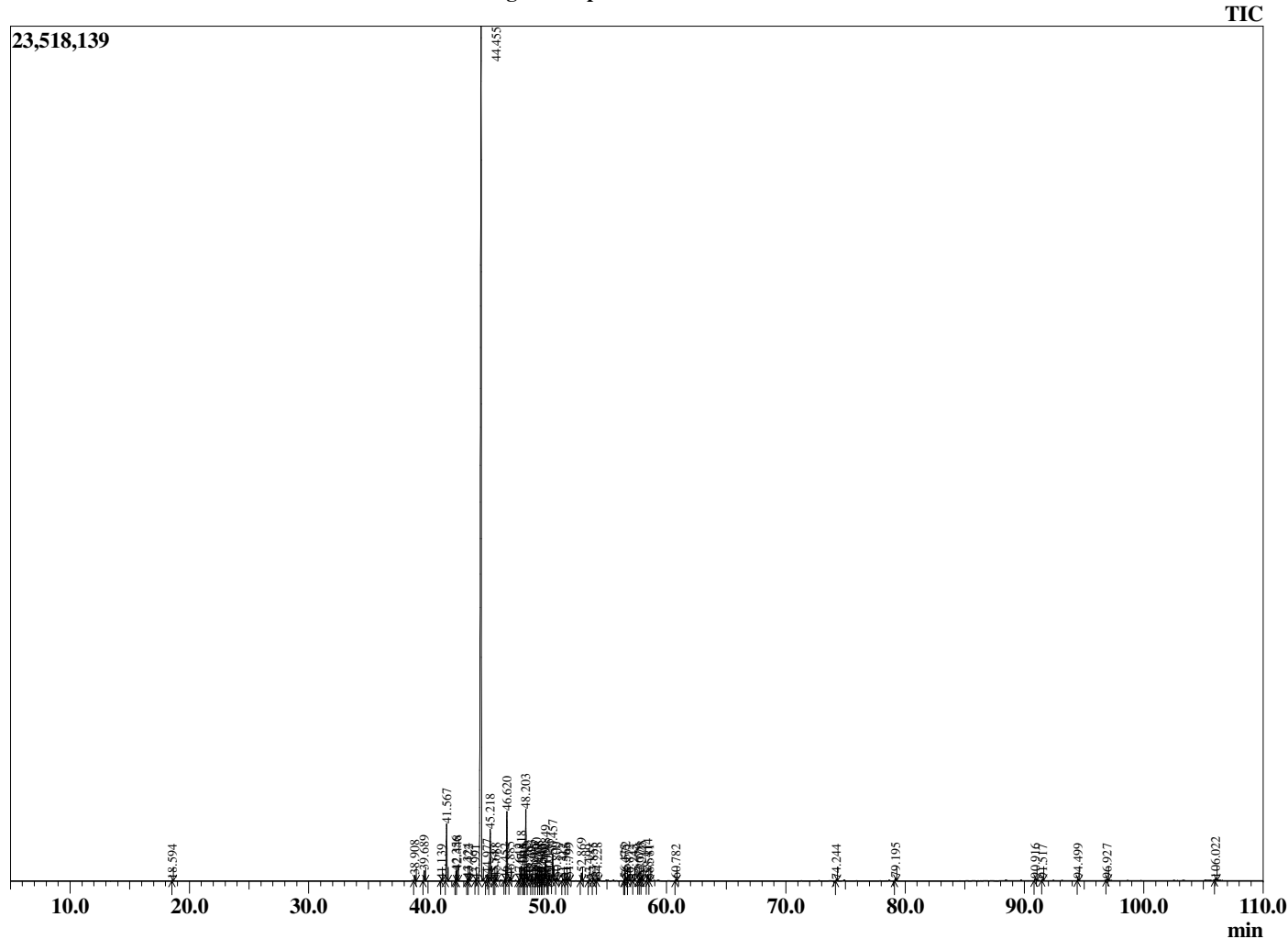
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/10/2020 7:20:21 PM
 Sample Type : Essential Oil
 Sample Name : Copaiba Balsam - Edens Garden
 Sample ID : BA18FP
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
18.594	cis-beta-Ocimene	0.05
38.908	delta-Elemene	0.34
39.689	alpha-Cubebene	0.66
41.139	alpha-Ylangene	0.06
41.567	alpha-Copaene	3.56
42.356	beta-Cubebene	0.61
42.448	beta-Elemene	0.64
43.324	Cyperene	0.16
43.422	cis-beta-Caryophyllene	0.10
43.991	cis-alpha-Bergamotene	0.05
44.455	beta-Caryophyllene	69.39
44.977	gamma-Elemene	0.48
45.218	trans-alpha-Bergamotene	3.25
45.547	Aromadendrene	0.06
45.688	cis-beta-Farnesene	0.20
46.452	trans-beta-Farnesene	0.11
46.620	alpha-Humulene	4.37
46.885	Alloaromadendrene	0.22
47.642	10-beta-H-Cadina-1(6),4-diene	0.11
47.818	trans-Cadina-1(6),4-diene	1.01
47.995	gamma-Curcumene	0.08
48.085	alpha-Amorphene	0.09
48.203	Germacrene D	4.46
48.382	Unidentified	0.34
48.693	beta-Selinene	0.37
48.895	trans-Murrola-4(14),5-diene	0.23
49.100	Bicyclogermacrene	0.65
49.278	alpha-Murolene	0.35
49.408	cis-alpha-Bisabolene	0.12
49.543	delta-Amorphene	0.07
49.640	Unidentified	0.05
49.849	beta-Bisabolene	1.38
50.028	Unidentified	0.11
50.155	gamma-Cadinene	0.35
50.457	delta-Cadinene	1.60
50.800	beta-Sesquiphellandrene	0.25
51.312	trans-Cadina-1,4-diene	0.13
51.565	alpha-Cadinene	0.12
51.799	trans-alpha-Bisabolene	0.22
52.869	Germacrene B	0.48
53.499	Unidentified	0.05
53.855	Caryophyllene alcohol	0.20
54.228	Caryophyllene oxide	0.20
56.475	Unidentified	0.08
56.572	Humulane-1,6-dien-3-ol	0.31
56.872	1-epi-Cubenol	0.08
57.243	Unidentified	0.06
57.679	tau-Cadinol	0.09
57.776	epi-alpha-Cadinol	0.25
57.923	delta-Cadinol	0.30
58.414	alpha-Cadinol	0.46
58.581	Unidentified	0.06
60.782	Unidentified	0.09
74.244	Kolavetool	0.07
79.195	Unidentified	0.20
90.916	Copalol	0.17
91.517	Kolavenol	0.07
94.499	Unidentified	0.11
96.927	Unidentified	0.10
106.022	Unidentified	0.16
		100.00

Chromatogram Copaiba Balsam - Edens Garden



Comments:

The analysis of this Copaiba Balsam batch sample meets the expected chemical profile for authentic essential oil of *Copaifera langsdorffii*. 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.