

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 9/24/2019 5:10:45 PM
 Sample Type : Essential Oil
 Sample Name : Cedarwood - Barefut
 Sample ID : 0106
 Injection Volume : 0.10
 Instrument ID: : GC-2

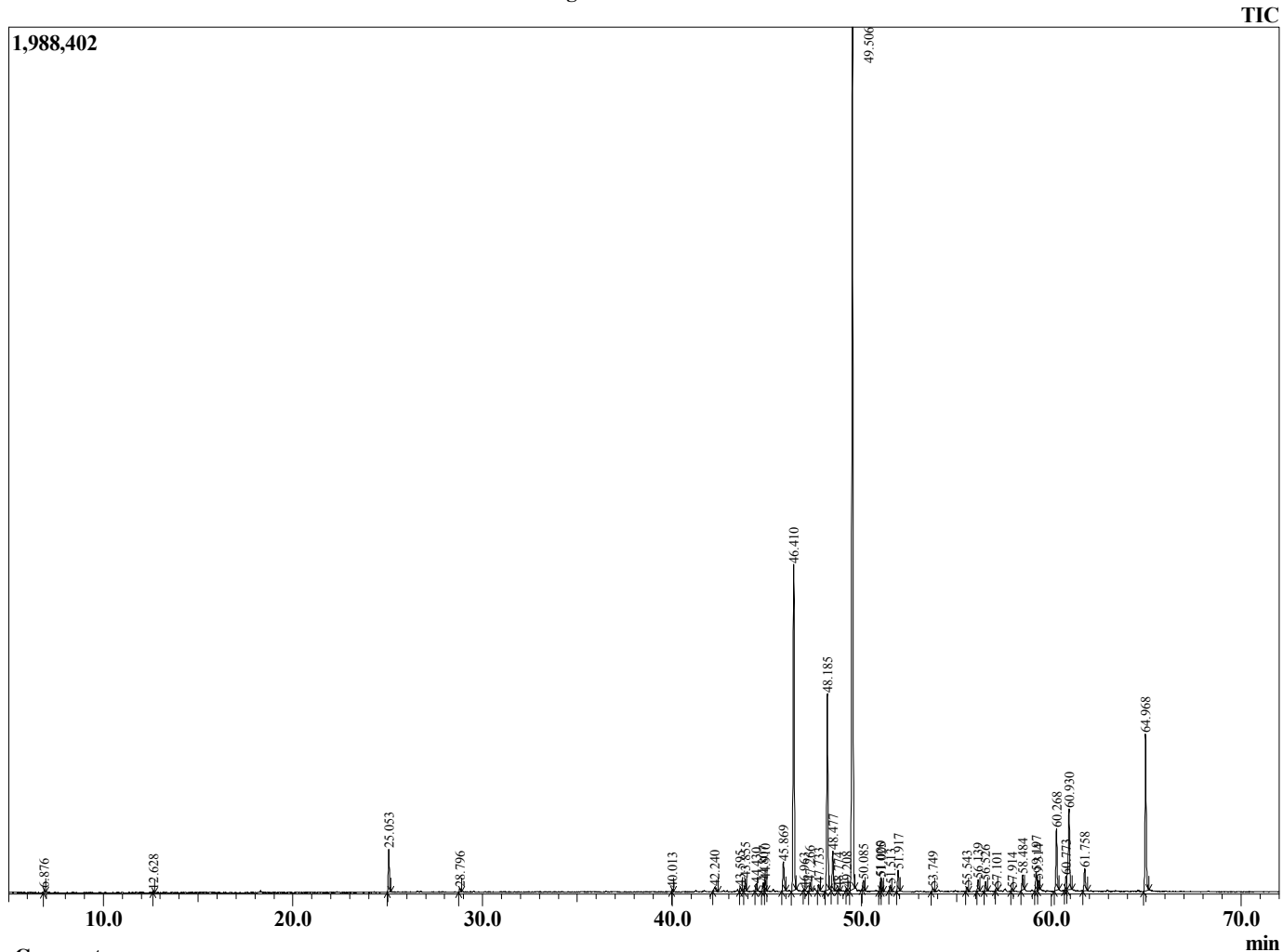


Peak Report TIC

R.Time	Name	Area%
6.876	Mesityl oxide	0.12
12.628	alpha-Pinene	0.05
25.053	4-Acetyl-1-methylcyclohexene	1.85
28.796	4'-methyl-Acetophenone	0.17
40.013	alpha-Longipinene	0.08
42.240	Cedarwood unidentified	0.29
43.595	Cedarwood unidentified	0.21
43.855	Junipene	0.58
44.430	Cedarwood unidentified	0.36
44.807	Himachalene isomer	0.40
44.910	Cedarwood unidentified	0.52
45.869	E-Vestitenone	1.62
46.410	alpha-Himachalene	15.87
46.963	Cedarwood unidentified	0.06
47.266	Cedarwood unidentified	0.44
47.733	Cedarwood unidentified	0.30
48.185	gamma-Himachalene	9.52
48.477	11aH-Himachala-1,4-diene	1.99
48.774	Cedarwood unidentified	0.10
49.208	Cedarwood unidentified	0.08
49.506	beta-Himachalene	41.73
50.085	alpha-dehydro-ar-Himachalene	0.47
51.000	Cedarwood unidentified	0.53
51.025	Cedarwood unidentified	0.53
51.513	Cedarwood unidentified	0.28
51.917	E-alpha-Bisabolene	1.05
53.749	Himachalene epoxide	0.18
55.543	Longiborneol	0.22
56.139	Cedarwood unidentified	0.54
56.526	Isolongifoliol	0.49
57.101	Cedarwood unidentified	0.15
57.914	Cedarwood unidentified	0.12
58.484	beta-Himachalol	0.75
59.197	Cedarwood unidentified	0.96
59.314	Cedarwood unidentified	0.47
60.268	allo-Himachalol	2.93
60.773	(4R,8R)-Deodarone	0.60
60.930	(4R,8S)-Deodarone	4.73
61.758	Z-alpha-Atlantone	1.21
64.968	E-alpha-Atlantone	7.42
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Cedarwood - Barefut



Comments:

The analysis of this Cedarwood batch sample meets the expected chemical profile for authentic essential oil of *Cedrus deodara*. No contamination or adulteration was detected.