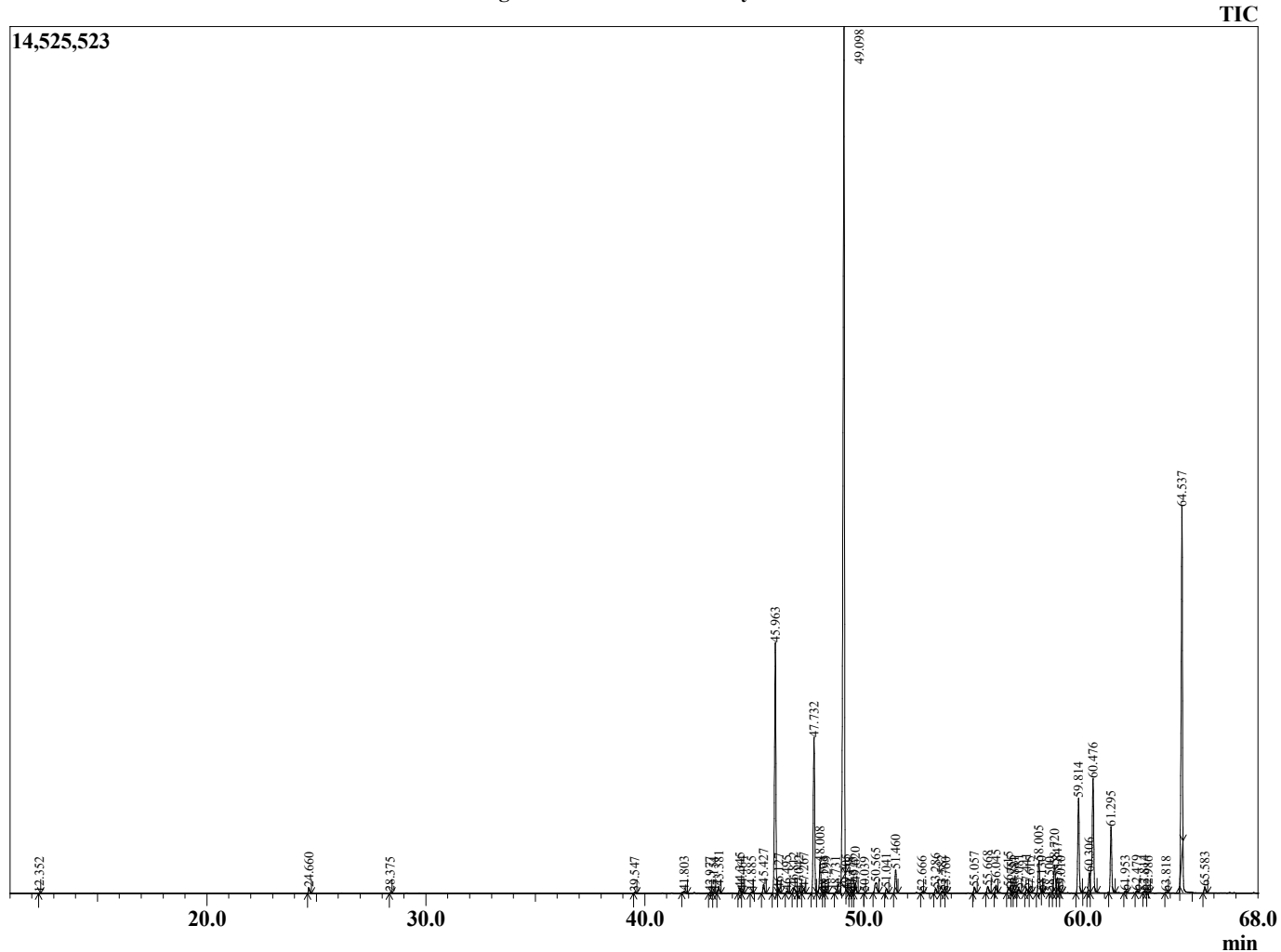


Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/25/2021 12:09:19 AM
 Sample Type : Essential Oil
 Sample Name : Cedarwood Himalayan - Barefut
 Sample ID : 0107
 Injection Volume : 0.10
 Instrument ID : GC-4



Chromatogram Cedarwood Himalayan - Barefut



R.Time	Name	Area%
12.352	alpha-Pinene	0.02
24.660	4-Acetyl-1-methylcyclohexene	0.21
28.375	4-methyl Acetophenone	0.04
39.547	alpha-Longipinene	0.05
41.803	Unidentified	0.12
42.977	alpha-Gurjunene	0.05
43.154	cis-Vestitenone	0.04
43.381	Longifolene	0.32
44.345	Unidentified	0.24
44.464	Unidentified	0.08
44.885	trans-alpha-Bergamotene	0.06
45.427	trans-Vestitenone	0.42
45.963	alpha-Himachalene	11.06
46.127	trans-beta-Farnesene	0.18
46.495	Unidentified	0.11
46.812	Unidentified	0.32
47.042	Unidentified	0.14
47.267	alpha-Neocallitropsene	0.22
47.732	gamma-Himachalene	7.17
48.008	11-alpha-H-Himachala-1,4-diene	1.52
48.193	9-epi-trans-Caryophyllene	0.03
48.299	cis-4,10-Epoxy amorphane	0.08
48.731	Unidentified	0.07
49.098	beta-Himachalene	38.93
49.205	delta-Amorphene	0.01
49.378	Unidentified	0.02
49.525	Unidentified	0.03
49.620	alpha-Dehydro-ar-Himchalene	0.50
50.039	Unidentified	0.01
50.565	gamma-Dehydro-ar-Himachalene + Unidentif	0.77
51.041	gamma-Vetivene	0.22
51.460	trans-alpha-Bisabolene	1.05
52.666	Nerolidol	0.04
53.286	Himachalene epoxide	0.21
53.582	Unidentified	0.09
53.760	Unidentified	0.02
55.057	Longiborneol	0.29
55.668	beta-Himachalene oxide	0.35
56.045	beta-Himachalene oxide isomer	0.35
56.615	Himachalol isomer	0.33
56.755	Unidentified	0.06
56.881	Unidentified	0.05
57.081	Unidentified	0.18
57.441	Himachalol isomer	0.18
57.615	Unidentified	0.03
58.005	Himachalol isomer	1.60
58.130	Unidentified	0.00
58.500	Unidentified	0.02
58.720	Deoderone isomer	1.48
58.847	Unidentified	0.79
59.010	Unidentified	0.07
59.814	allo-Himachalol	4.46
60.306	Deodarone	0.88
60.476	Deoderone isomer	6.39
61.295	cis-alpha-Atlantone	3.02
61.953	Unidentified	0.07

Comments:

The analysis of this Cedarwood, Himalayan batch sample meets the expected chemical profile for authentic essential oil of *Cedrus deodara*. 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.

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R.Time	Name	Area%
62.479	Unidentified	0.10
62.814	Unidentified	0.06
62.986	Unidentified	0.04
63.818	Unidentified	0.04
64.537	trans-alpha-Atlantone	14.42
65.583	Unidentified	0.29
		100.00