



Essential Oil University

GC/MS Report

Item	Lot
NOP Patchouli EO Light <i>Pogostemon cablin</i>	7E
Date	Analyst
7/25/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, NOP Patchouli EO Light, meets the expected chemical profile for authentic essential oil of *Pogostemon cablin*. 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.



Sample Information

Company: Revive**Sample Name:** NOP Patchouli EO Light**Botanical Name:** Pogostemon cablin**Lot Number:** 7E**Production Method:** Steam distilled**Sample Type:** EO - Certified Organics**Country of Origin:** India**Analysis Date:** 7/25/2025**Manufacture Date:** July 2025

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra**Injection Type:** Split**Split Ratio:** 24.4**Column Type:** ZB-5**Injection Volume:** 0.1 µL**Temperature Program:** 2C/min

Physical Data

ANALYSIS

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

-50.68

1.50898

0.96451



Ret. Time	Component	Ret. Idx.	Conc. %	
12.710	alpha-Pinene	926	0.07%	
15.222	beta-Pinene	970	0.17%	
15.613	3-Octanone	977	0.01%	
16.304	3-Octanol	989	0.01%	
18.375	Limonene	1022	0.02%	IFRA
23.037	Linalool	1092	0.01%	IFRA
38.636	Unidentified	1318	0.01%	
38.954	Elemene isomer	1323	0.01%	
39.186	delta-Elemene	1326	0.13%	
41.854	alpha-Copaene	1367	0.02%	
42.261	Elemene isomer	1373	0.04%	
42.442	beta-Patchoulene	1376	2.25%	
42.744	beta-Elemene	1380	1.12%	
42.903	Patchoulene isomer	1383	0.02%	
43.597	Unidentified	1393	0.01%	
43.722	cis-beta-Caryophyllene	1395	0.02%	
43.887	alpha-Gurjunene	1397	0.2%	
44.402	Cycloseychellene	1406	0.64%	
44.684	beta-Caryophyllene	1410	3.21%	
44.865	Unidentified	1413	0.01%	
45.304	gamma-Elemene	1420	0.02%	
45.733	alpha-Guaiene	1427	13.34%	
45.965	Unidentified	1430	0.02%	
46.102	Unidentified	1433	0.05%	
46.249	Gaiene isomer	1435	0.07%	
46.380	Unidentified	1437	0.02%	
46.566	Seychellene	1440	6.83%	
46.688	Unidentified	1442	0.1%	
46.765	Unidentified	1443	0.03%	
46.949	alpha-Humulene	1446	0.6%	
47.224	Alloaromadendrene	1450	0.84%	
47.330	alpha-Patchoulene	1452	4.97%	
47.500	9-epi-Caryophyllene isomer	1455	1.83%	
47.728	9-epi-Caryophyllene isomer	1458	1.43%	
48.023	Selina-4,11-diene	1463	0.05%	
48.188	beta-Chamigrene	1466	0.47%	
48.413	gamma-Gurjunene	1469	0.11%	
48.513	Germacrene D	1471	0.21%	
48.820	Unidentified	1476	0.03%	
48.891	delta-Selinene	1477	0.17%	



Ret. Time	Component	Ret. Idx.	Conc. %	
49.015	beta-Selinene	1479	0.38%	
49.218	Unidentified	1482	0.05%	
49.452	Aciphyllene	1486	2.88%	
49.647	Unidentified	1489	0.89%	
49.879	alpha-Bulnesene	1493	15.88%	
50.166	Elemene isomer	1497	0.07%	
50.309	Nootkatene	1500	0.2%	
50.476	gamma-Cadinene	1502	0.03%	
50.618	Unidentified	1505	0.02%	
50.810	Unidentified	1508	0.09%	
50.860	(-)-alpha-Panasinsen	1509	0.22%	
51.372	Unidentified	1517	0.06%	
51.501	Nootkatene analogue	1519	0.17%	
51.675	Unidentified	1522	0.01%	
51.877	Unidentified	1526	0.02%	
52.550	alpha-Elemol	1537	0.04%	
52.787	Unidentified	1541	0.03%	
53.206	Germacrene B	1548	0.04%	
53.295	Unidentified	1550	0.04%	
53.564	Unidentified	1554	0.02%	
53.753	Unidentified	1557	0.06%	
53.890	Norpatchoulanol	1560	0.68%	
53.985	Unidentified	1561	0.17%	
54.060	Unidentified	1562	0.03%	
54.241	Unidentified	1565	0.02%	
54.444	Unidentified	1569	0.11%	
54.565	Caryophyllene oxide	1571	0.34%	
54.735	Spathulenol	1574	0.56%	
54.942	Unidentified	1577	0.07%	
55.122	Unidentified	1580	0.05%	
55.429	Guaiol	1585	0.1%	
55.756	Unidentified	1591	0.04%	
55.834	Unidentified	1592	0.05%	
56.080	Unidentified	1596	0.06%	
56.186	Humulene epoxide II	1598	0.08%	
56.499	Unidentified	1603	0.26%	
56.573	Unidentified	1605	0.26%	
56.711	Unidentified	1607	0.08%	
56.970	Unidentified	1612	0.29%	
57.173	Unidentified	1615	0.77%	



Ret. Time	Component	Ret. Idx.	Conc. %	
57.295	Unidentified	1618	0.07%	
57.467	Unidentified	1621	0.13%	
57.808	Pogostol isomer	1627	0.38%	
58.065	Unidentified	1631	0.07%	
58.217	Unidentified	1634	0.18%	
58.366	Unidentified isomer I	1636	0.11%	
58.558	Unidentified isomer I	1640	0.1%	
58.951	Pogostol	1647	2.55%	
59.159	Unidentified	1650	0.07%	
59.336	Unidentified	1654	0.25%	
59.459	Unidentified	1656	0.12%	
59.800	Patchouli alcohol	1662	29.04%	
59.874	Unidentified	1663	0.26%	
59.986	Unidentified	1665	0.2%	
60.199	Unidentified	1669	0.08%	
60.332	Unidentified	1671	0.03%	
60.456	Unidentified	1673	0.05%	
60.814	Unidentified	1680	0.03%	
60.911	Unidentified	1681	0.03%	
61.374	Unidentified	1690	0.19%	
61.696	Unidentified	1695	0.02%	
61.954	Pogostone	1700	0.95%	
62.265	Unidentified	1706	0.12%	
62.391	Unidentified	1708	0.06%	
62.591	Unidentified	1712	0.02%	
63.005	Unidentified	1719	0.05%	
63.232	Longifolol	1724	0.16%	
63.891	Unidentified	1736	0.01%	
64.012	Unidentified	1738	0.03%	
64.147	Unidentified	1741	0.01%	
64.296	Unidentified	1743	0.02%	
64.993	Unidentified	1756	0.04%	
65.497	Unidentified	1766	0.07%	
65.888	Unidentified	1773	0.04%	
66.321	Unidentified	1781	0.01%	
66.421	Unidentified	1783	0.02%	
66.909	Unidentified	1792	0.02%	
67.281	Unidentified	1799	0.02%	
67.406	Unidentified	1801	0.01%	
69.285	Unidentified	1838	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
71.083	Unidentified	1873	0.01%	
71.793	Unidentified	1887	0.01%	

Total Identified Compounds **93.64 %**

