

Client



Source



Pine (*Pinus sylvestris*)
PS1806

Sample

Pine (*Pinus sylvestris*)
Batch #:..... PS1806
Type:..... Essential Oil
CAS Number:... 8023-99-2
Be Kind Botanicals

Client



Website

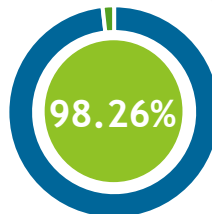
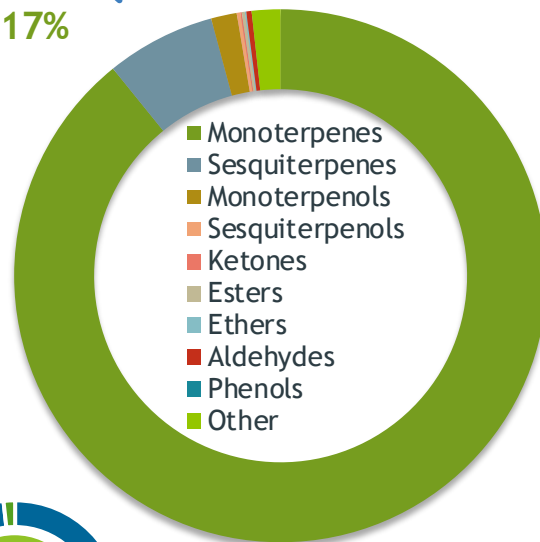


Primary

37.92% | beta-Pinene
37.02% | alpha-Pinene
5.95% | Limonene

Monoterpenes

89.17%



Percentage Identified

Result



Conclusion

No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Pine (*Pinus sylvestris*)

Internal Number: | EVS-3019



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

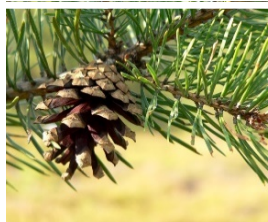
317.361.5044 |
<https://essentialvalidationservices.com/>
adam@essentialvalidationservices.com

Monoterpenes	89.17%	89.17%
Sesquiterpenes	6.63%	6.63%
Monoterpenols	1.56%	1.56%
Sesquiterpenols	0.22%	0.22%
Ketones	0.09%	0.09%
Esters	0.18%	0.18%
Ethers	0.09%	0.09%
Aldehydes	0.32%	0.32%
Phenols	0.00%	0.00%
Other	1.74%	1.74%

Client



Source



Pine (*Pinus sylvestris*)
PS1806

Total Percentage		98.26%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.00	0.50%	Tricyclene	923.00	Monoterpene
2	12.24	0.04%	alpha-Thujene	927.80	Monoterpene
3	12.57	37.02%	alpha-Pinene	936.10	Monoterpene
4	13.10	2.67%	Camphene	950.30	Monoterpene
5	13.35	0.05%	Thuja-2,4(10)-diene	953.00	Monoterpene
6	14.36	37.92%	beta-Pinene	974.00	Monoterpene
7	14.90	3.36%	Myrcene	989.20	Monoterpene
8	15.69	0.39%	delta-3-Carene	1008.00	Monoterpene
9	15.96	0.03%	alpha-Terpinene	1014.00	Monoterpene
10	16.28	0.07%	para-Cymene	1024.30	Monoterpene
11	16.47	5.95%	Limonene	1029.50	Monoterpene
12	17.25	0.71%	(Z)-beta-Ocimene	1037.80	Monoterpene
13	17.70	0.06%	(E)-beta-Ocimene	1047.70	Monoterpene
14	18.91	0.40%	gamma-Terpinene	1054.00	Monoterpene
15	19.91	0.08%	Fenchol	1099.10	Monoterpenol
16	20.39	0.04%	alpha-Campholenal	1125.29	Monoterpene Aldehyde
17	20.91	0.30%	alpha-Pinocarveol	1143.75	Monoterpenol
18	21.13	0.09%	Camphor	1147.55	Monoterpene Ketone
19	21.29	0.05%	Camphene hydrate	1151.00	Monoterpenol
20	21.96	0.12%	Isborneol	1159.70	Monoterpenol
21	22.38	0.12%	Terpinen-4-ol	1180.57	Monoterpenol
22	22.86	0.89%	alpha-Terpineol	1191.71	Monoterpenol
23	23.09	0.28%	Myrtenal	1200.43	Monoterpene Aldehyde
24	26.30	0.18%	Bornyl acetate	1288.29	Monoterpene Ester
25	28.52	0.04%	alpha-Cubebene	1355.71	Sesquiterpene
26	28.64	0.03%	alpha-Ylangene	1371.33	Sesquiterpene
27	29.44	0.09%	beta-Bourbonene	1388.70	Sesquiterpene
28	29.93	0.18%	beta-Elemene	1389.20	Sesquiterpene
29	30.49	0.17%	Longifolene	1403.83	Sesquiterpene
30	30.91	1.92%	beta-Caryophyllene	1427.14	Sesquiterpene
31	31.98	0.30%	alpha-Humulene	1461.43	Sesquiterpene
32	32.83	1.49%	gamma-Muurolene	1478.86	Sesquiterpene
33	33.36	0.61%	Germacrene D	1484.71	Sesquiterpene
34	33.80	0.51%	alpha-Muurolene	1500.25	Sesquiterpene
35	34.05	1.23%	gamma-Cadinene	1515.29	Sesquiterpene

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

