



CERTIFICATE OF ANALYSIS

Type	Essential Oil
Latin Name	Pogostemon cablin
Country of Origin	Indonesia
Extraction Method	Steam distilled
Plant Part	Leaves
Typical Use	Aromatherapy
SKU	OB.SN.PAT.21.01

Analysis Method	GC-MS
Manufacture Date	December 2018
Test Date	November 04, 2019
Retailer	Okapi Bay

Physical Properties	Liquid
Refractive Index @ 20 °C	1.5096 ± 0.0003
Specific Gravity @ 20 °C	0.964
Color	Pale orange
Odor	Typical characteristics

Conclusion:

No adulterant or diluent has been detected using this method. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise.

GC CONSOLIDATED RESULTS

Component	%	CLASS
α-Pinene	0.08	Monoterpene
Sabinene	0.01	Monoterpene
β-Pinene	0.19	Monoterpene
Octen-3-ol	0.01	Aliphatic alcohol
Octan-3-one	0.01	Aliphatic ketone
Octan-3-ol	0.01	Aliphatic alcohol
Limonene	0.02	Monoterpene
Linalool	0.01	Monoterpenic alcohol
δ-Elemene	0.12	Sesquiterpene
α-Copaene	0.02	Sesquiterpene
β-Patchoulene	2.25	Sesquiterpene
β-Bourbonene	0.01	Sesquiterpene
<i>cis</i> - β-Elemene	0.05	Sesquiterpene
β-Elemene	0.98	Sesquiterpene
Cycloseychellene	0.61	Sesquiterpene
β-Caryophyllene	3.03	Sesquiterpene
Seychellene	6.27	Sesquiterpene
Selina-5,11-diene	0.03	Sesquiterpene
α-Guaiene	12.56	Sesquiterpene
Unknown	0.04	Sesquiterpene
α-Humulene	0.39	Sesquiterpene
α-Patchoulene	5.35	Sesquiterpene
Patchoulene analog I	1.39	Sesquiterpene
γ-Patchoulene	0.76	Sesquiterpene
9-epi-β-Caryophyllene	0.36	Sesquiterpene
Selina-4,11-diene	0.20	Sesquiterpene
Unknown	0.54	Sesquiterpene
β-Selinene	0.07	Sesquiterpene
Patchoulene analog II	0.08	Sesquiterpene
Unknown	0.15	Sesquiterpene
δ-Selinene	0.26	Sesquiterpene
α-Selinene	0.21	Sesquiterpene
Aciphyllene	2.85	Sesquiterpene
Eudesma-2,4(15),11-triene	0.10	Sesquiterpene
Pentadecane	0.06	Alkane
δ-Guaiene	16.81	Sesquiterpene
Nootkatene	0.07	Sesquiterpene
7-epi-α-Selinene	0.41	Sesquiterpene
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.11	Oxygenated sesquiterpene
Unknown	0.07	Oxygenated sesquiterpene
α-Elemol	0.01	Sesquiterpenic alcohol
Isocaryophyllene epoxide B	0.06	Sesquiterpenic ether
Norpatchoulenol	0.67	Norsesquiterpenic alcohol

PATCHOULI

Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.23	Oxygenated sesquiterpene
Unknown	0.11	Oxygenated sesquiterpene
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Caryophyllene oxide	0.35	Sesquiterpenic ether
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.11	Oxygenated sesquiterpene
Hexadecane	0.18	Alkane
Humulene epoxide II	0.07	Sesquiterpenic ether
Unknown	0.11	Oxygenated sesquiterpene
Unknown	0.32	Oxygenated sesquiterpene
Unknown	0.24	Oxygenated sesquiterpene
Unknown	0.63	Oxygenated sesquiterpene
Patchoulol	32.34	Sesquiterpenic alcohol
Pogostol	2.18	Sesquiterpenic alcohol
Unknown	0.45	Oxygenated sesquiterpene
Unknown	0.23	Oxygenated sesquiterpene
Unknown	0.07	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Rotundone	0.18	Sesquiterpenic ketone
Unknown	0.12	Oxygenated sesquiterpene
Pogostone	1.45	Terpenic lactone
Unknown	0.22	Oxygenated sesquiterpene
Unknown	0.10	Oxygenated sesquiterpene
Unknown	0.09	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.04	Oxygenated sesquiterpene
Unknown	0.12	Oxygenated sesquiterpene
Unknown	0.09	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.06	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.01	Oxygenated sesquiterpene
Palmitic acid	0.08	Aliphatic acid
Phytol	0.03	Diterpenic alcohol
Stearic acid	0.07	Aliphatic acid
Unknown	0.09	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.11	Oxygenated sesquiterpene
Total	98.19%	

MS RESULTS SUMMARY



