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with Pure Essential Oils Since 1995*

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Certificate of Analysis: Black Pepper Essential Oil, India.

Certificate of analysis N° 017197 / Date 06/10/2014 / LOT N°0015194

Odour: Conform

Appearance: Conform

Colour: Conform

Physico-chemical properties:

Specific gravity at 20°C = 0,874

Refractive index at 20°C = 1,481

Optical rotation at 20°C = -12°20

Gas Chromatographic analyse:

Components	%
beta-caryophyllene	26.08
limonene	13.20
alpha-pinene	9.68
delta-3-carene	9.11
sabinene	8.71
beta-pinene	8.58
alpha-copaene	3.25
delta-elemene	2.19
beta-phellandrene	1.98
myrcene	1.72
alpha-phellandrene	1.48
alpha-humulene	1.22
alpha-thujene	1.09
terpinene-1-ol-4	0.89
para-cymene	0.67
gamma-terpinene	0.56
caryophyllene oxide	0.46
linalool	0.46
germacrene D	0.39
camphene	0.31
alpha-terpinene	0.31
beta-selinene	0.30
trans-sabinene hydrate	0.29
alpha-cubebene	0.24
alpha-selinene	0.15
beta-farnesene	0.11
	93,43

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