

**ESSENTIAL OIL SINGLES**

Black Pepper Essential Oil

Piper nigrum

BATCH NUMBER

BLP-114

COUNTRY OF ORIGIN

Madagascar

EXTRACTION DATE

November
2023

Gas Chromatography Analysis (%)

MONOTERPENE

limonene (d)	18.07%	α -pinene	12.90%
δ -3-carene	11.67%	β -pinene	11.64%
α -phellandrene	2.50%	β -myrcene	2.16%
terpinolene	0.74%	camphene	0.45%
γ -terpinene	0.23%	sabinene	0.16%

SESQUITERPENE

β -caryophyllene	22.54%	δ -elemene	3.19%
γ -muurolene	3.08%	germacrene D	2.02%
β -selinene	1.66%	α -caryophyllene	1.57%
β -elemene	1.53%	aromadendrene	0.44%
α -copaene	0.40%		

OXIDE

caryophyllene oxide	0.24%
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