



## CERTIFICATE OF ANALYSIS

<b>PRODUCT NAME</b>	<b>BLACK PEPPER ORGANIC OIL</b>
<b>LATIN NAME</b>	<i>Pipre Nigrum</i>
<b>CAS NO</b>	<b>84929-41-9</b>
<b>BATCH NUMBER</b>	<b>BLPEPO0515PFE</b>
<b>COUNTRY OF ORIGIN</b>	<b>MADAGASCAR</b>
<b>PART OF PLANT USED</b>	<b>PEPPER CORNS (STEAM DISTILLED)</b>

<b>ANALYTICAL DETIALS</b>	<b>SPECIFICATIONS</b>	<b>RESULT</b>
<b>COLOUR</b>	STRAW TO GREENISH OIL	COMPLIES
<b>ODOUR</b>	SPICY AROMA	COMPLIES
<b>PHYSICAL STATE</b>	LIQUID	COMPLIES
<b>REFRACTIVE INDEX (20°C)</b>	1.4770 - 1.4870	1.4838
<b>RELATIVE DENSITY (20°C)</b>	0.8600 - 0.8880	0.8772

MAJOR CHEMICAL CONSTITUENTS:		
CHEMICAL NAME	% COMPOSITION	SPECIFICATION%
ALPHA PINENE	10.629	6-28
SABINENE	0.297	0.01-7.5
BETA PINENE	11.638	8-18
MYRCENE	1.755	0.3-6
DELTA CARENE	10.613	6-16
LIMONENE	19.365	11-27
ALPHA TERPINEOL	0.178	0.1-4
CARYOPHYLLENE	26.384	4.5-30

<b>SRORAGE CONDITIONS</b>	<b>STORE IN A COOL DARK PLACE</b>
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<b>EXPIRY DATE</b>	05/2020
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JESSICA LUTGE  
LAB MANAGER

05/20/2018

