

Certificate of Analysis		
Product Name:	Organic Black Pepper Essential Oil	
Latin Binomial/INCI:	Piper nigrum	
Cultivation:	100% Organic	
Product Code/Lot Number:	EO4571-DZIA	
Material:	Fruit	
Country of Origin:	Sri Lanka	
Date of Production:	April 9, 2024	
Retest Date:	April 9, 2027	
Ingredient Deck: 100% Organic Black Pepper Essential Oil		
Specification	Expected	Result
Color:	Clear, colorless	PASSED
Odor:	Sharp, peppery odor	PASSED
Appearance:	Mobile liquid	PASSED
Specific Gravity at 20°C	0.8600 - 0.9070	0.8969
Refractive Index at 20°C	1.4740 - 1.4900	1.4766
TEST		
High Resolution Capillary Gas Chromatography using Agilent 6890, 30 meter DB-5 Capillary Column	Beta Caryophyllene	19.97%
	d-Limonene	15.40%
	Beta Pinene	13.52%
	Alpha Pinene	12.65%
	Sabinene	12.25%
GRAS	LISTED	PASSED
No GMO Materials Used:	NONE	PASSED
No Sewage Sludge:	NONE	PASSED
No Ionizing Radiation:	NONE	PASSED
STORE IN TIGHT CONTAINERS IN A COOL PLACE (60 TO 78°F), PROTECTED FROM LIGHT.		
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