

Certificate of Analysis [C.O.A]

PRODUCT NAME	Black Pepper Oil	
CAS Number	8006-82-4	
Botanical Name	Piper Nigrum L	
SOURCE	Steam distillation extraction of black pepper dried berries	
PRODUCT APPEARANCE	Colorless to slightly greenish	By visual inspection
SOLUBILITY	Soluble in alcohol and oils. Insoluble in water	
Specific Gravity	0.890 to 0.900 @ 25 °C	Complies
Refractive Index	1.40 to 1.50 @ 25 °C	Complies
Optical Rotation	-1° to -23° @ 25 °C	Complies
Heavy metal	Not more than 5ppm	
Microbial Count	Nil	
Storage	Keep in a cool, dry, dark location in a tightly sealed container	
Physical Handling	Avoid direct physical contact	

COMPOSITION / MAJOR COMPONENTS DATA

Caryophyllene	20.3–34.7%
β-pinene	9.3–23.9%

AFLATOXINS(B1,B2,G1,G2) Nil ppb

Lot Number :

Manufacturing Date : December 2018

Expiry Date : December 2020