

CERTIFICATE OF ANALYSIS

PRODUCT : Black Pepper Oil

LOT NO. : 18090505

MANUFACTURING DATE : August: 2018

BEST BEFORE : July: 2021

STORAGE CONDITION : Shake well before use, store under cold condition (at 20°-25°C), Protect from Sun light & heat.

DESCRIPTION : The product is natural and is obtained from the Steam distillation of the pod of black pepper, *Piper nigrum*.

ANALYSIS REPORT:

PHYSICAL TEST REPORT	SL.N O.	PARAMETERS	SPECIFICATION	ANALYSIS
	1.	Colour & Appearance	Colourless to pale yellow	Complies
	2.	Solubility	Soluble in 90% ethanol	Complies
	3.	Specific Gravity at 20°C	0.8690 to 0.9000	0.8801
	4.	Refractive Index at 20°C	1.4700 to 1.4900	1.4842
	5.	Optical Rotation at 20.2°C	-20.00° to -4.00°	-15.25°
GC ANALYSIS	7.	Beta- Caryophyllene	15% to 35%	30.29%

Remark: The product confirms as per In-house specification.



QA & QC