

## Essential oil Black Pepper Mada BIO

*Piper nigrum L. - Madagascar*  
Organic product certified by COSMOS

### PROCESSING METHOD

Essential Oil obtained by steam distillation from the dry berries of *Piper nigrum L.*

### PHYSICAL PROPERTIES

Odour:	Fresh, woody and spicy
Appearance:	Limpid mobile liquid
Color:	Colorless to bluish green

### CHEMICAL PROPERTIES

Specific gravity at 20°C	0,860 to 0,900
Refractive index at 20°C	1,480 to 1,492
Optical rotation at 20°C	-17,0 ° to +11,0 °
Flash point	+43 °C
Acid value	N.A.
Peroxide value	< 20 mmoles/L

### MAIN INGREDIENTS

Beta caryophyllene (8,00 to 28,00%)
D-Limonene (14,00 to 23,00%)
Alpha pinene (5,00 to 19,00%)
Beta pinene (8,00 to 18,00%)
Delta 3 carene (7,00 to 16,00%)

### TECHNICAL SPECIFICATIONS

NCS, Natural Complex Substance (100% pure and natural)

N° CAS TSCA	8006-82-4
N° CAS EINECS	84929-41-9
N° EINECS	284-524-7
N° FEMA	2845
N° FDA	182.20
N° CoE	347n
FCC	x
RIFM	x
FMA	x
AFNOR	NF T 75-216
INCI	PIPER NIGRUM FRUIT OIL
COUNTRY OF HARVEST	MADAGASCAR



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## **HANDLING AND STORING**

Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

## **SPECIAL INDICATIONS**

The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (Annex III of Regulation (EC) N°1223/2009 of 30 november 2009 on cosmetic products)

Present allergens:

D-Limonene (14,00 to 23,00%), Linalool ( $\leq$  1,00%)

IFRA restrictions:

This substance and/or some of its components are covered by the Code of Practice of the IFRA in effect, available on the internet website [www.ifraorg.org](http://www.ifraorg.org)

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