

## TECHNICAL DATA SHEET

**DATE:** 18.01.2020  
**PRODUCT:** PEPPER BLACK MADAGASCAR OIL  
**CODE:** 100178800

**CAS-EINECS** 84929-41-9  
**CAS N°** 8006-82-4  
**CHEMICAL IDENTIFICATION** Pepper (Piper), P. nigrum, ext.  
**FEMA** 2845  
**INDEX NUM. / INVENTORY NUM.** -  
**EINECS / ELINCS** 284-524-7  
**BOTANICAL NAME** Piper nigrum, L.  
**FLASH POINT** 42°C  
**BOILING POINT** -  
**FORMULA** -  
**M.W.** -

### ORGANOLEPTIC PROPERTIES

**ASPECT** LIQUID  
**COLOR** COLORLESS - GREEN  
**ODOUR** SPICY

### CHEMICAL AND PHYSICAL PROPERTIES

	<b>MIN</b>	<b>MAX</b>
<b>DENSITY 20°C</b>	0,860	0,884
<b>REFRACTIVE INDEX 20°C</b>	1,4750	1,4900
<b>OPTICAL ROTATION (°)</b>	-18,0	20,0
<b>ALPHA PINENE (%)</b>	8,00	27,60
<b>BETA PINENE (%)</b>	7,00	28,60
<b>SABINENE (%)</b>	0,00	4,00
<b>DELTA 3 CARENE (%)</b>	7,00	17,80
<b>LIMONENE (%)</b>	10,00	31,50
<b>DELTA ELEMENE (%)</b>	0,50	4,80
<b>ALPHA COPAENE (%)</b>	0,00	0,50
<b>CARYOPHYLLENE BETA (%)</b>	10,00	28,10
<b>GERMACRENE D (%)</b>	1,00	6,50
<b>B-SELINENE (%)</b>	1,00	4,50
<b>ALPHA SELINENE (%)</b>	0,50	3,00
<b>CARYOPHYLLENE OXIDE (%)</b>	0,00	1,00



# Lluch Essence

STORAGE CONDITIONS: It is recommended to store away from direct light in full sealed containers in a dry and well ventilated area.

INSCRITA EN EL R.M. DE BARCELONA, TOMO 32.692, FOLIO 10, HOJA B, Nº 213.904, INSCRIPCIÓN 1ª - C.I.F.: B-62129267

TECHNICAL DATA UPDATE: Consult in our web page the technical data updates [www.lluche.com](http://www.lluche.com).

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