

With more than 40 years of experience in the manufacture of chemical specialties **PROTECNICA INGENIERIA** has carried out an exhaustive investigation into the properties of the nuts produced by the ancestral and scarce tree **Lecithys Minor**, known as **Monkey Pot**, the results obtained with the **Magdalena River NUTS** take us to give life to our project:

## **Magdalena River NUTS**

### **NATURAL SELENIUM**

**Lecythis Minor – Monkey Pot**

It is in the Colombian Caribbean on the banks of the mythical Magdalena River where these trees grow, in the middle of a virgin ecosystem. Around these valleys **low-income communities** develop, which seek to survive through fishing and in many cases deforestation of native species in the area. We protect these trees by supporting communities through the purchase of nuts.

In this way our project acts on 3 fronts:

**The protection of biodiversity**

**The development of the community**

**The supply of Natural Selenium and other derivatives**



[www.MagdalenaRiverNuts.com](http://www.MagdalenaRiverNuts.com)

# MagNUT *sense*

## SKIN PROTECTING - NATURAL OIL

INCI NAME LECYTHIS MINOR SEED OIL

One of the derivatives of these nuts used **ancestrally** for its properties, vitamins and trace elements among other components, we extract the **MagNUT *sense*** a 100% natural virgin oil, under a strict process of cold pressing.

This oil available in limited quantities due to of its wild origin, has characteristics that make it unique in its kind.

It contains excellent properties **Antioxidants** and **humectants** due to its high content of **unsaturated fatty acids** and **vitamin E**.

**MagNUT *sense*** forms a protective film that blocks the evaporation of moisture, promoting and maintaining a lasting hydration, which makes it an excellent protector of the skin.

The **MagNUT *sense*** was dermatologically tested ensuring that it is suitable for sensitive and safe skin to use during the day.

Vitamin Content	
Vitamin C	< 0,008 mg/100g
Vitamin E	4,97 mg/100g
Vitamin A	< 25 UI/100g
Vitamin D3	<0,10 UI/100g
Vitamin B1	<0,005 mg/100g
Vitamin B2	<0,009 mg/100g

<b>MagNUT <i>sense</i></b>	%
<b>αTocoferol</b>	<b>4,97</b>

Omega Profile	g/100g
Omega 3	0,188
Omega 6	31,94
Omega 9	14,79

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**COSMETIC PROPERTIES****MagNUT** *sense*

Moisturises	+++
Emollient	+++
Restructures and Regenerates	+++
Anti- Aging	+++
Anti- Oxidative	+++
Face Care	+++
Dry Skin	+++
Mature Skin	+++
Sensitive Skin	+++
Hair Care	+++
Sun Care	+++
Body Care	+++
Massage	+++

Parameter	Result
Phosphorus in fats and oils	31,15
Potassium (mg/100g)	207,26
Selenium ppm	2,07
Heavy Metals ppm	< 5
Humidity (%)	0,1075
Acidity (mg KOH/g)	0,21
Iodine (g I <sub>2</sub> /100 g )	92,18
Density (g/mL)	0,9096
Saponification (mg KOH/g)	187,42

**Chromatographic profile****MagNUT** *sense*

Fatty acids	%
C14 Mirístico	0,13
C16 Palmítico	17,73
C18 Stearic	6,5
C18:1 Oleic	44,43
C18:2 Linoleic	30,48
C18:3 Linolenic	0,14
C20:1 Eicosanoic	0,49

APPEARANCE	TRANSLUCENT LIQUID
Color	Light Yellow
Acidity (mg KOH/g)	0,5 max
Peroxide (meqO <sub>2</sub> / Kg )	2,0 max
Density (g/mL)	0,96 ±0,05

**MagNUT** *sense*

SKIN PROTECTING - NATURAL OIL

INCI NAME LECYTHIS MINOR SEED OIL

Thanks to its wild origin and its moisturizing properties, it **reduces lines of expression**, in its 100% pure application.

Additionally its content of **Vitamin E** and **unsaturated fatty acids**, make it an excellent antioxidant, with multiple cosmetic properties.

(See table)

As for its sensorial, it is a slightly yellow transparent oil, no agent intervenes for its transparency, its taste tends to be neutral a bit sweet. The delicate aroma has its origin in the large number of organic compounds, and in the long process of maturation of the nut. Finally upon contact with the skin its extreme purity makes it a light oil, with silk effect, dry, fast absorption.

Presentation:

From 5 Liters



**PROTÉCNICA INGENIERÍA**  
Especialidades Químicas

Founded in 1978 PROTECNICA INGENIERIA is a leader in the development, production, marketing and export of specialty chemicals, has two production plants first in the Cauca Valley, and the second in Cartagena Colombia.



It is part of GRUPO PROCHEM which has 7 companies in 5 countries, Colombia, Ecuador, Peru, Chile and the United States. It has a wide international recognition in the segments of cosmetics and home care products, food ingredients, sugar and fermentation, industrial line.



It has specialized application laboratories. highly trained technical team, exclusive area of R + D + i.



It has all the equipment with advanced technology development and application of our products.

