

Diálogos do Bosque ● Herdade dos Catos - Gralheira CCI 1304 ● 7050-636 Cortiçadas de Lavre | Portugal





2018 PALAU DE CONGRESSOS DE BARCELONA FIRA 1 MONTJUÏC

The plant: Opuntia ficus-indica (Cactaceae)
Origin: Africa, Mediterranean countries, USA southwest, Mexico north

Flowers: big, colour - yellow, orange or red



#### **Opuntia ficus-indica**

- Ornamentation
- Nutritive
  - Human consumption (Fresh fruit)
  - Cattle forage
- Bioactive
  - Juice from the fruit: source of sweetner and natural colorants
  - Seeds from the fruit (30-40%): important ingredients like aminoacids, highly absorbable carbohidrates, minerals, vitamin C and fibers



#### **Opuntia ficus-indica**

- Ornamentation
- Nutritive
  - Human consumption (Fresh fruit)
  - Cattle forage
- Bioactive
  - Juice from the fruit: source of sweetner and natural colorants
  - Seeds from the fruit (30-40%): important ingredients like aminoacids, highly absorbable carbohidrates, minerals, vitamin C and fibers







SAMPLE

# diálogos dobosque



PRICKLY PEAR SEED OIL

100% pure & organic vegetable oil selected seeds - cold pressed

INGREDIENTS: 100% Opuntia Ficus Indica Seed Oil MANUFACTURED BY: DIÁLOGOS DO BOSQUE, Lda

Herdade dos Catos - Gralheira CCI 1304 7050-636 Cort. Lavre | info@dialogosdobosque.pt

WWW.DIALOGOSDOBOSQUE.PT

MADE IN PORTUGAL

Best before:

Batch nr.





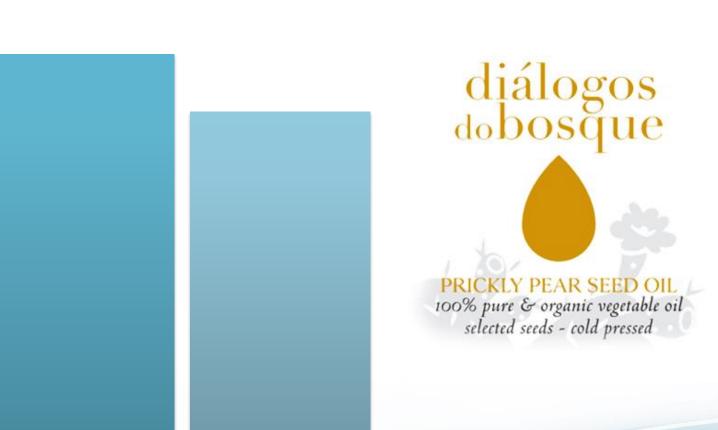
PT-BIO-05 Portugal Agriculture

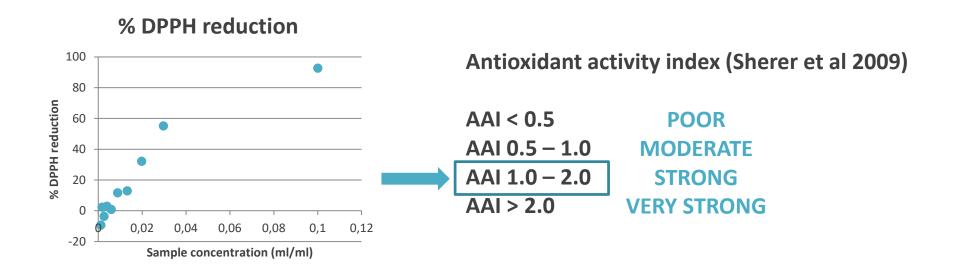
Phenol content

High

Content

Good antioxidant profile 444.40 mg equivalentes gallic acid/g





EC50 (sample) =  $27.91 \,\mu l/ml$ ; AAI = 1.79

Extraction with methanol (vortex 5 minutes followed by centrifugation at 4500 rpm for 5 minutes; analysis of the top phase)

**Phenol** content

High

Content

Good antioxidant profile

acid/g Linoleic 444.40 mg equivalentes gallic acid

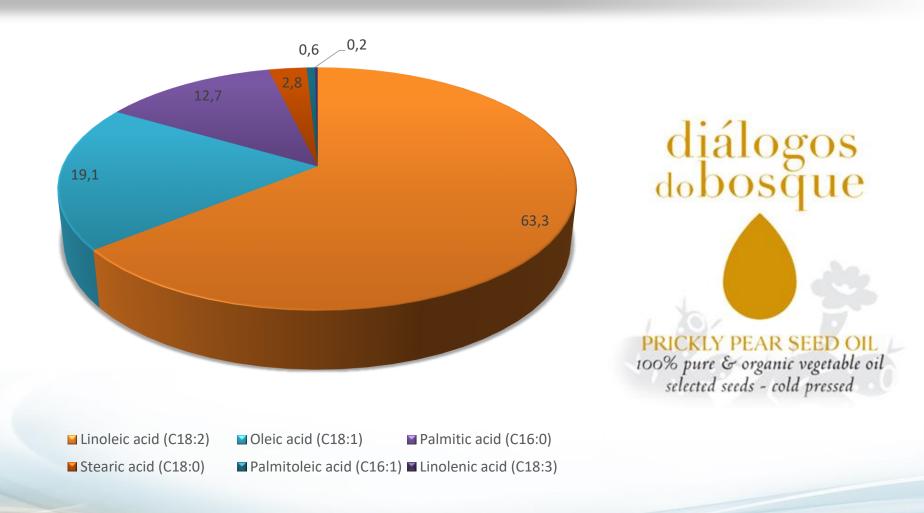
High content

Sensorial properties 56.3% of total fatty acid composition

diálogos dobosque

PRICKLY PEAR SEED OIL

100% pure & organic vegetable oil selected seeds - cold pressed



Appearance	Clear and viscous yellowish liquid
Color	Yellow to green
Odor	Characteristic, greasy/oily with a nutty aroma
Relative density	0.897 (at 20°C)
Refractive index	1.4738 (at 22.4°C)
Water solubility	Insoluble in water Soluble in oils and ethanol
Phenol content	444.40 mg equivalents gallic acid / g sample
Viscosity (CPA-40Z; DV3TR, Brookfield)	53.34 cP (Newtonian fluid)

Phenol content

High Content

Good antioxidant profile 444.40 mg equivalentes gallic acid/g

Linoleic acid

High content

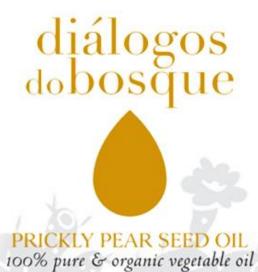
Sensorial properties

56.3% of total fatty acid composition

Biological production

Alentejo

PT-BIO-05
Portugal Agriculture



selected seeds - cold pressed

# Diálogos do Bosque



- Portuguese company, specialized in the production of Prickly seed oil since 2013
- Located at Alentejo Portugal
- Biological Certified production
- Certified unit for the preparation and transformation of cosmetic ingredient
- Best agricuture pratices: fertilization, watersuply, polinization
- High standard quality of the oil: process of seed separation from the fruit, sanitation and drying of the seeds
- Cold extration of the oil

# Diálogos do Bosque

#### **Concluding Remarks**

Chemical profile with high content of linoleic acid and phenols

Diferent bioactivities focused on healthy skin claims - strong antioxidant

High quality standard conditions: from plant production to the oil extration







# diálogos dobosque



### PRICKLY PEAR SEED OIL

100% pure & organic vegetable oil selected seeds - cold pressed

