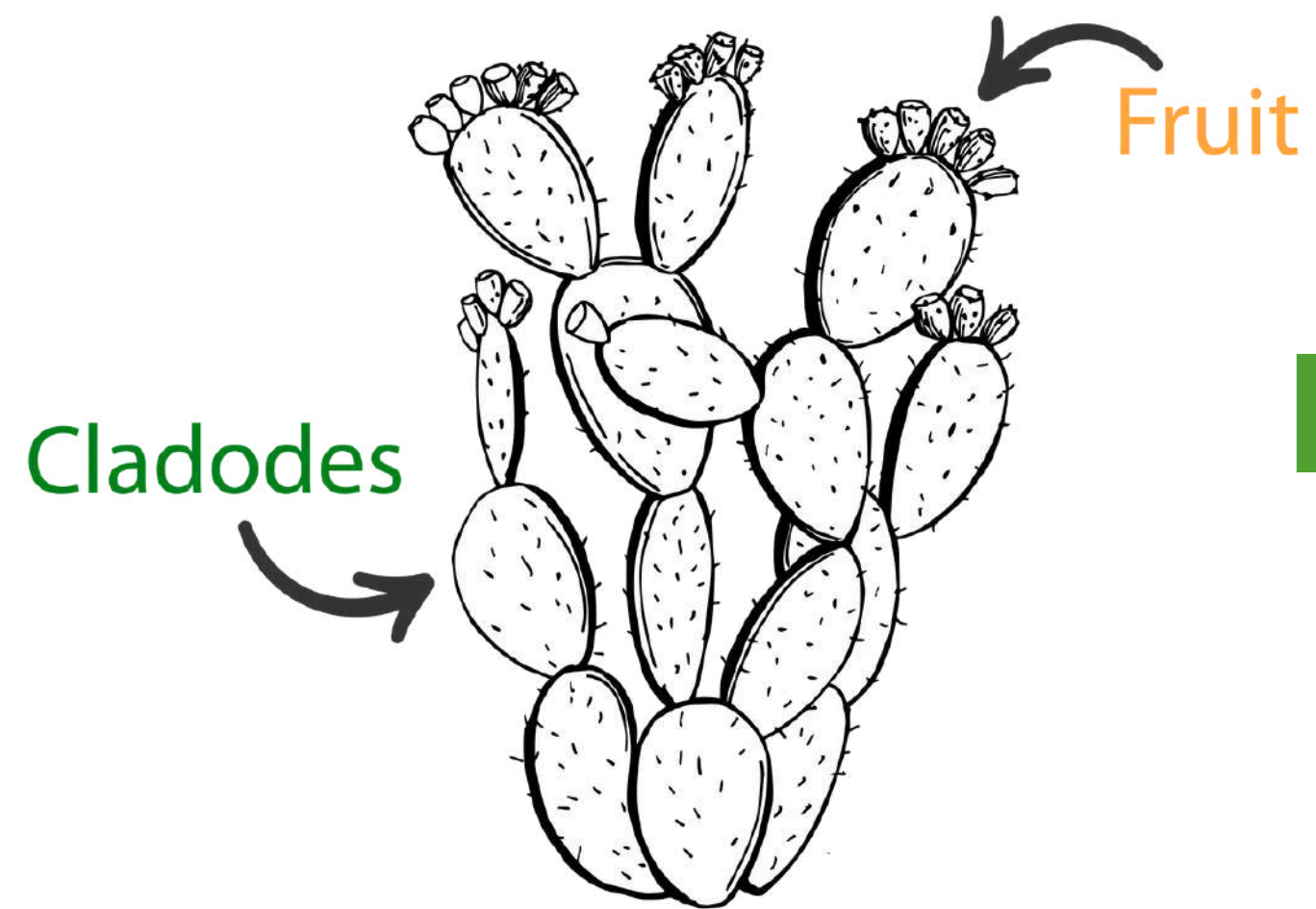




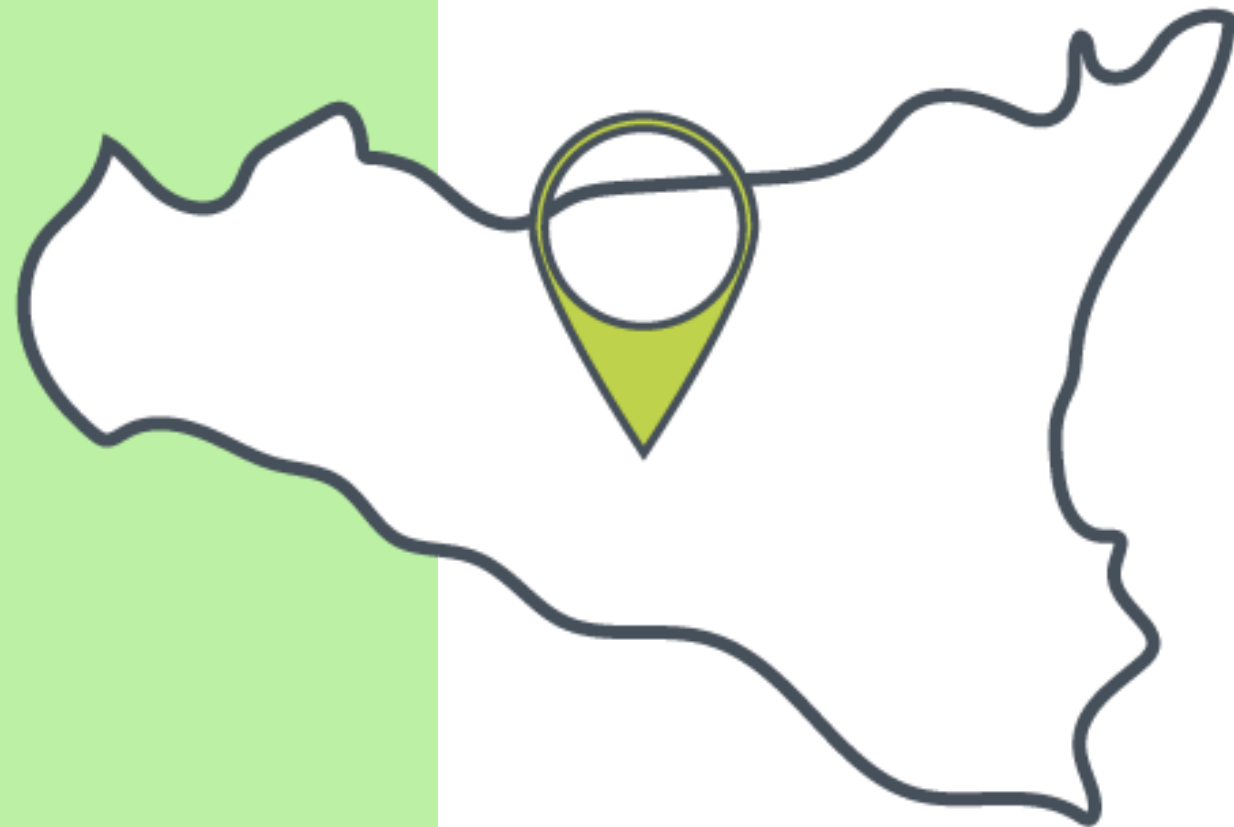
Opuntia ficus indica

Only one plant | ***Infinite applications***

Characteristics and applications of
cladode semi-finished products



From Central America
to Europe in 1500 AD



In the heart of Sicily
Over 2000 hectares of cultivation

SAN CONO

The European capital
of prickly pear



AN UNCONTAMINATED TERRITORY

All crops are
in certified organic.



Processing of the cladodes begins
within an hour of separation from
the plant.

OpuntiaGel

Gel extract of cladodes



OpuntiaGel



State Mechanically and cold extracted

Format Visco-elastic full gel

Cultivation Certified organic

Fields of application Food, Cosmetic and Pharmaceutical

Conservation ❄️ At controlled temperature 3-5 C°

Property

- Antioxidant
- Gastric protector
- Probiota
- Cholesterol regulator
- Fat absorption regulator
- Hypoglycemic
- Food supplement
- Bacteriostatic
- Healing
- Soothing
- Emollient
- Elasticizing

Characteristics

- Arsenic free*
- Cromo free*
- Cadmium free*
- Mercurio free*
- Nichel free*
- Lead free*
- Antimony free*
- ORAC 1038 $\mu\text{mol TE}/100\text{g}^*$
- Potassium (K) 1250 ppm**
- Magnesio (Mg) 350 ppm**
- Polysaccharides 532 mg eq. xylose/g**
- Total polyphenols 18.6 mg GAE g⁻¹**
- Calcium (Ca) 1271 ppm**

***Analysis conducted on the product**

****Data reported from scientific bibliography**



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

NopalGel



State Mechanically and cold extracted

Format Visco-elastic full gel

Fields of application Food, Cosmetic and Pharmaceutical

Conservation With additives

Property

- Antioxidant
- Gastric protector
- Probiota
- Cholesterol regulator
- Fat absorption regulator
- Hypoglycemic
- Food supplement
- Bacteriostatic
- Healing
- Soothing
- Emollient
- Elasticizing

Characteristics

- Arsenic free*
- Cromo free*
- Cadmium free*
- Mercurio free*
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*Analysis conducted on the product

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CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

OpuntiaGel

Gel extract of cladodes



Some examples of applications in the food sector:

- After sports drinks
- Functional waters
- Flavored drinks
- Detox drinks
- Vegan drinks



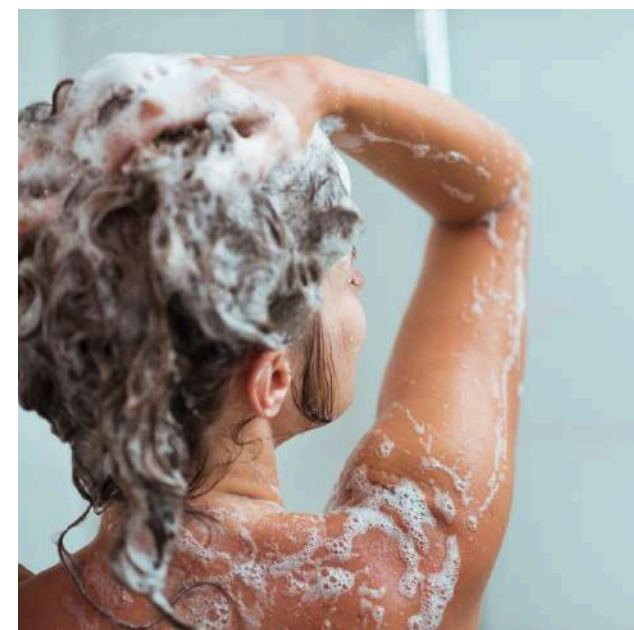
OpuntiaGel

Gel extract of cladodes



Some examples of application in the Cosmetic sector:

- Body creams
- Face anti-wrinkle creams
- Face masks
- After sun creams
- Fortifying shampoos
- Conditioner restructuring
- Emollient aftershave
- Scar patches
- Healing gauze
- Soothing creams for children
- Soothers for diapers
- Emollient wet wipes



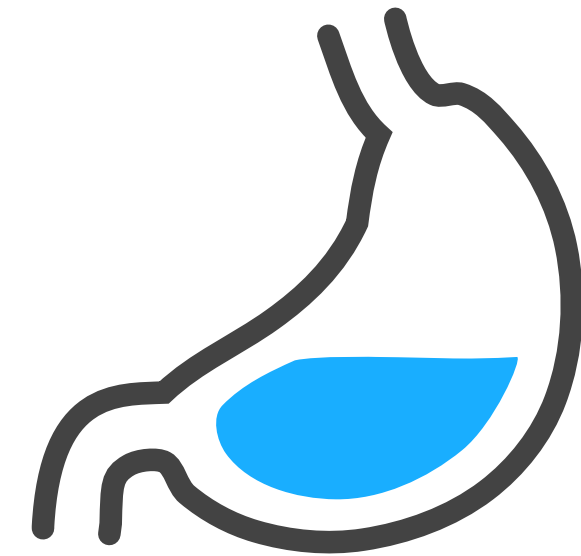
OpuntiaGel

Gel extract of cladodes



Some examples of Pharmaceutical sector application:

- Antioxidant food supplements
- Gastric protectors
- Soothing for gastric reflux
- Body weight regulators
- Intestinal transit regulators
- Healing products
- Soothing and healing bedsores
- Stretch mark prevention creams



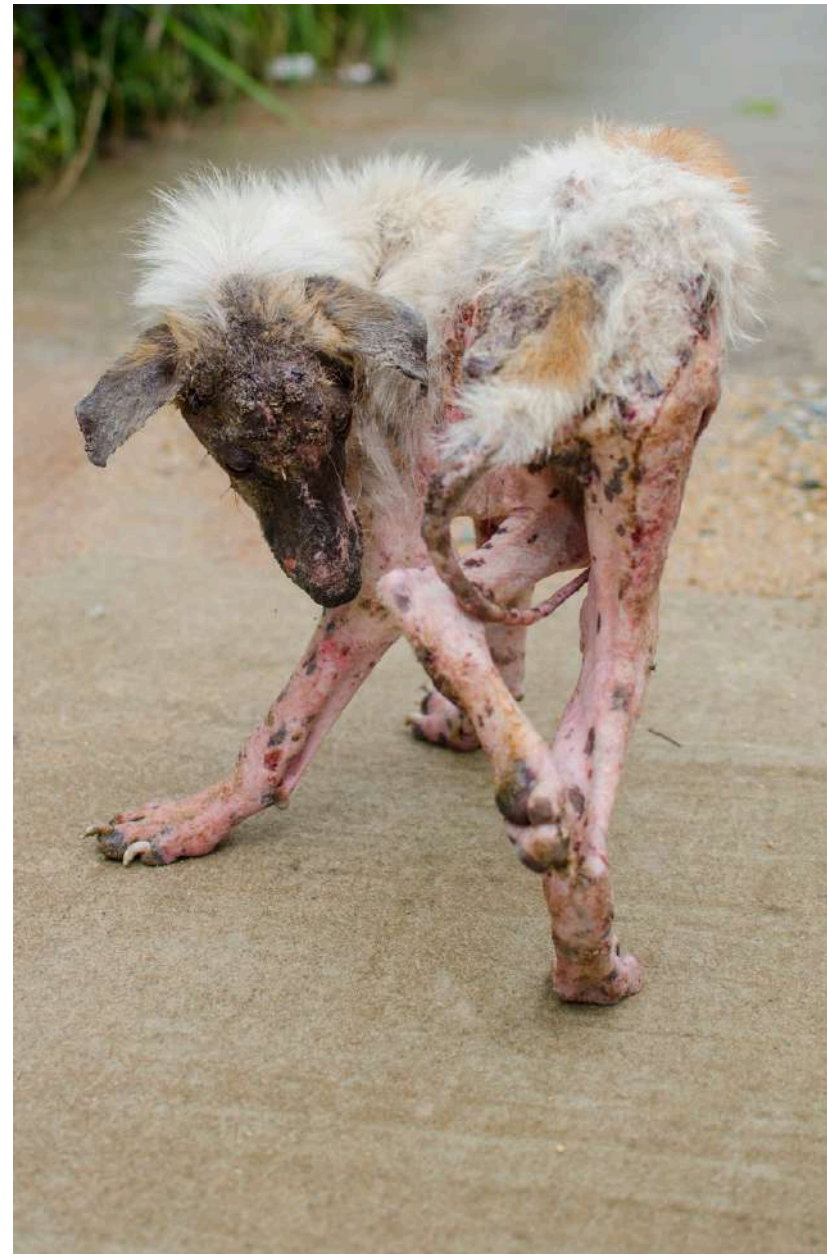
OpuntiaGel

Gel extract of cladodes



Some examples of application in the veterinary sector:

- Antioxidant food supplements
- Gastric protectors
- Hair care shampoo
- Healing products
- Soothing creams for dermatitis



OpuntiaDry

Dehydrated cladodes



OpuntiaDry



State Dehydrated at a low temperature of 45°

Format Whole cube measuring 2 x 2 cm.

Cultivation and Processing Certified organic

Areas of Application Food Nutraceutical Cosmetic Pharmaceutical

Property

- Elevated antioxidant capacity
- Gastric safeguard
- Appetite suppressant
- Cholesterol modulator
- Rich in fiber
- Hypoglycemic
- Nutritional supplement
- Bacteriostatic

Characteristics

- Arsenic free*
- Cadmium free*
- Mercurio free*
- Nichel free*
- Lead free*
- Carbohydrates 24.5g/100g*
- Insoluble fiber 14.29 g/100g*
- Soluble fibers 39.60 g/100g*
- Of which food 39.2 g/100g*
- Protein 3.56 g/100*
- Kcal 206 g/100*
- Magnesio 995 mg/100g**
- Sodio 30,83 mg/100g**
- Manganese 10 mg/100g**
- Ferro 13.67 mg/100g**
- Zinco 6,17 mg/100g**
- Ascorbic acid 1.83 mg/100g**
- Calcium $\geq 5.64 \leq 17.95$ mg/100g**
- Phosphorus $\geq 0.15 \leq 2.59$ mg/100g**
- Vitamina C $\geq 7 \leq 22$ mg/100g**
- Potassium $\geq 2.35 \leq 55.20$ mg/100g**

*Analysis conducted on the product

**Data reported from scientific bibliography



OpuntiaDry A



State Dehydrated at a low temperature of 45°

Format Herbal tea cut 2-5 mm

Cultivation and Processing Certified organic

Areas of Application Food Nutraceutical Cosmetic Pharmaceutical

Property

- Elevated antioxidant capacity
- Gastric safeguard
- Appetite suppressant
- Cholesterol modulator
- Rich in fiber
- Hypoglycemic
- Nutritional supplement
- Bacteriostatic

Characteristics

- Arsenic free*
- Cadmium free*
- Mercurio free*
- Nichel free*
- Lead free*
- Carbohydrates 24.5g/100g*
- Insoluble fiber 14.29 g/100g*
- Soluble fibers 39.60 g/100g*
- Of which food 39.2 g/100g*
- Protein 3.56 g/100*
- Kcal 206 g/100*
- Magnesio 995 mg/100g**
- Sodio 30,83 mg/100g**
- Manganese 10 mg/100g**
- Ferro 13.67 mg/100g**
- Zinco 6,17 mg/100g**
- Ascorbic acid 1.83 mg/100g**
- Calcium $\geq 5.64 \leq 17.95$ mg/100g**
- Phosphorus $\geq 0.15 \leq 2.59$ mg/100g**
- Vitamina C $\geq 7 \leq 22$ mg/100g**
- Potassium $\geq 2.35 \leq 55.20$ mg/100g**

*Analysis conducted on the product

**Data reported from scientific bibliography



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

OpuntiaDry B



State Dehydrated at a low temperature of 45°

Format Pulverized 500-800 microns

Cultivation and Processing Certified organic

Areas of Application Food Nutraceutical

Property

- Elevated antioxidant capacity
- Gastric safeguard
- Appetite suppressant
- Cholesterol modulator
- Rich in fiber
- Hypoglycemic
- Nutritional supplement
- Bacteriostatic

Characteristics

- Arsenic free*
- Cadmium free*
- Mercurio free*
- Nichel free*
- Lead free*
- Carbohydrates 24.5g/100g*
- Insoluble fiber 14.29 g/100g*
- Soluble fibers 39.60 g/100g*
- Of which food 39.2 g/100g*
- Protein 3.56 g/100g*
- Kcal 206 g/100g*
- Magnesio 995 mg/100g**
- Sodio 30,83 mg/100g**
- Manganese 10 mg/100g**
- Ferro 13.67 mg/100g**
- Zinco 6,17 mg/100g**
- Ascorbic acid 1.83 mg/100g**
- Calcium $\geq 5.64 \leq 17.95$ mg/100g**
- Phosphorus $\geq 0.15 \leq 2.59$ mg/100g**
- Vitamina C $\geq 7 \leq 22$ mg/100g**
- Potassium $\geq 2.35 \leq 55.20$ mg/100g**

*Analysis conducted on the product

**Data reported from scientific bibliography



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

OpuntiaDry C



State Dehydrated at a low temperature of 45°

Format Micronized < 500 microns

Cultivation and Processing Certified organic

Areas of Application Nutraceutical Pharmaceutical

Property

- Elevated antioxidant capacity
- Gastric safeguard
- Appetite suppressant
- Cholesterol modulator
- Rich in fiber
- Hypoglycemic
- Nutritional supplement
- Bacteriostatic

Characteristics

- Arsenic free*
- Cadmium free*
- Mercurio free*
- Nichel free*
- Lead free*
- Carbohydrates 24.5g/100g*
- Insoluble fiber 13.0 g/100g*
- Soluble fibers 32.40 g/100g*
- Of which food 33.4 g/100g*
- Protein 3.56 g/100*
- Kcal 206 g/100*
- Magnesio 995 mg/100g**
- Sodio 30,83 mg/100g**
- Manganese 10 mg/100g**
- Ferro 13.67 mg/100g**
- Zinco 6,17 mg/100g**
- Ascorbic acid 1.83 mg/100g**
- Calcium $\geq 5.64 \leq 17.95$ mg/100g**
- Phosphorus $\geq 0.15 \leq 2.59$ mg/100g**
- Vitamina C $\geq 7 \leq 22$ mg/100g**
- Potassium $\geq 2.35 \leq 55.20$ mg/100g**

*Analysis conducted on the product

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GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

OpuntiaDry



Some examples of applications in the Food and Nutraceutical sector:

- Herbal teas for gastric protection
- Soothing for gastric reflux
- Food supplements
- Detox drinks
- Vegan drinks



OpuntiaDry



Some examples of Pharmaceutical sector application:

- Antioxidant food supplements
- Gastric protectors
- Soothing for gastric reflux
- Body weight regulators
- Intestinal transit regulators



OpuntiaDry



Examples of applications in the Food and Nutraceutical industry:

- Nutraceutical pasta
- Nutritious bread and pizzas
- Biscuit Nutraceuticals
- Gluten-free flour ingredient



Comparative table between Opuntia and Aloe

	<i>Prickly pear</i>	<i>Aloe Vera</i>
Dangerous substances	None	Hydroxyanthracene in the peel
Production of food flour	Yes	No
Soluble dietary fiber	39,58 g/100	n.d.
Insoluble dietary fiber	14,29 g/100	n.d.
Mucilage lattice	Stratified	Linear
Unit of sugars	25	8
Antioxidant Power Gel	13%	11%
Dry peel antioxidant power	498.32 ± 25.31 μmol TE/g	Toxic
Healing effect (active molecules)	Opuntiamannan, Isoramnetina, Piscidic acid	Acemannano
U.V. protection (active molecules)	Piscidic acid eucomic acid	n.d.
Emollient effect	Yes	Yes
Polyphenols	1446 mg/100g Highly bioavailable	307 mg/100g
Vitamins	Riboflavin, Vitamin A, B1, B2, B3, B6, C, E, K	Vitamins A, C, E, Vitamins of group B



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Opuntia 2B



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Sicily

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Cultivations: San cono - Sicily - Italy

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