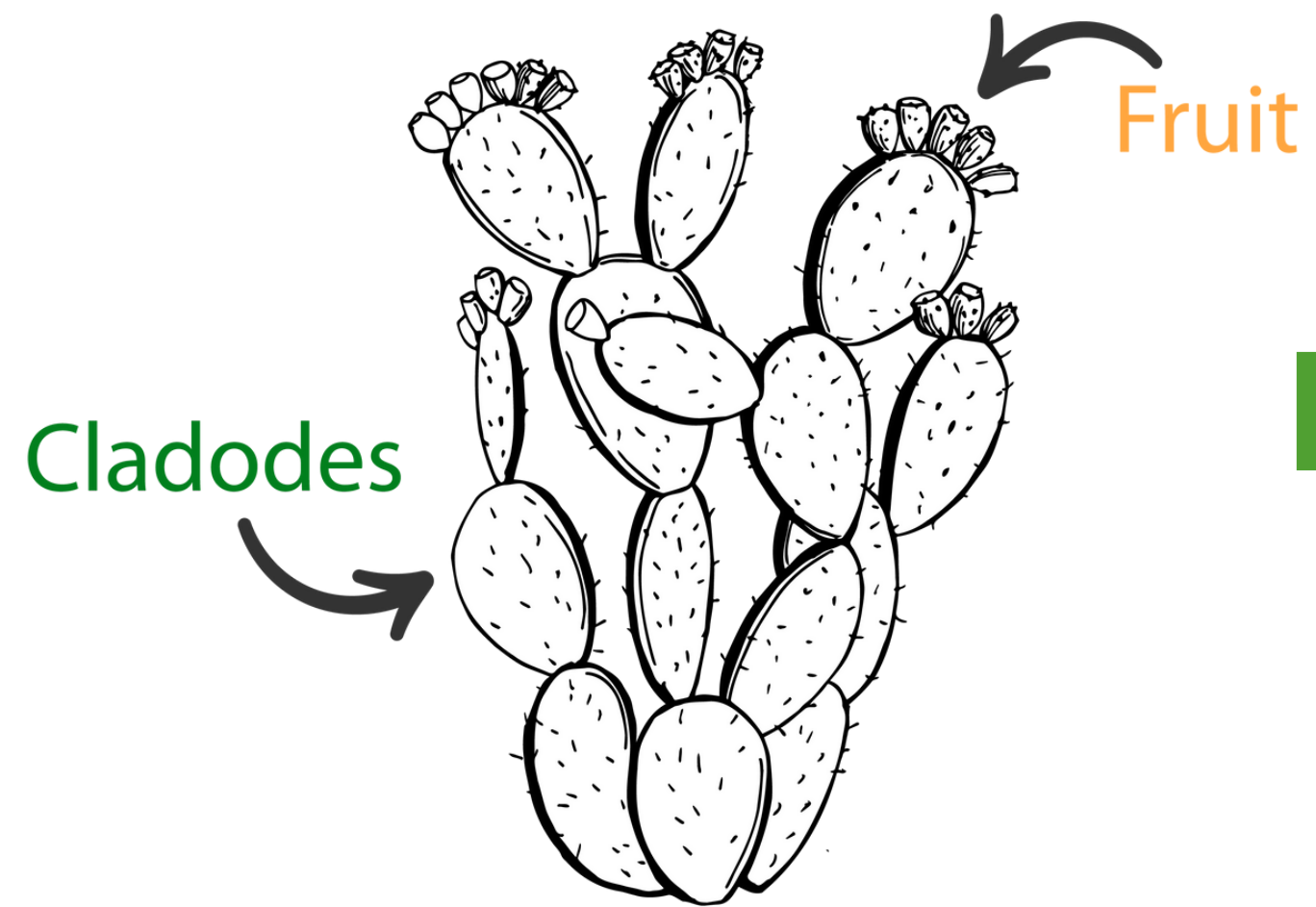




Opuntia ficus indica

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

Gel extract of cladodes



State Integral gel

Format Viscoelastic gel

Cultivation Certified organic

Fields of application

Food Nutraceutical Cosmetic Pharmaceutical

Property

- Antioxidant
- Gastric protector
- Hunger suppressant
- Cholesterol regulator
- Fat absorption regulator
- Hypoglycaemic
- Dietary supplement
- Bacteriostatic
- Healing
- Skin moisturizer
- Emollient
- Elasticising

- ORAC 1038 $\mu\text{mol TE}/100\text{g}$
- Nickel free
- GMO free
- Polysaccharides 532 mg eq. xylose/g
- Total polyphenols 18.6 mg GAE g-1
- Calcium (Ca) 1271 ppm
- Potassium (K) 1250 ppm
- Magnesium (Mg) 350ppm



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



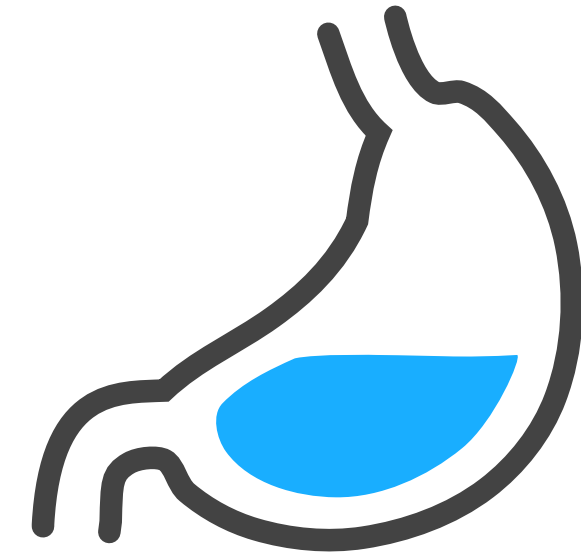
OpuntiaGel

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



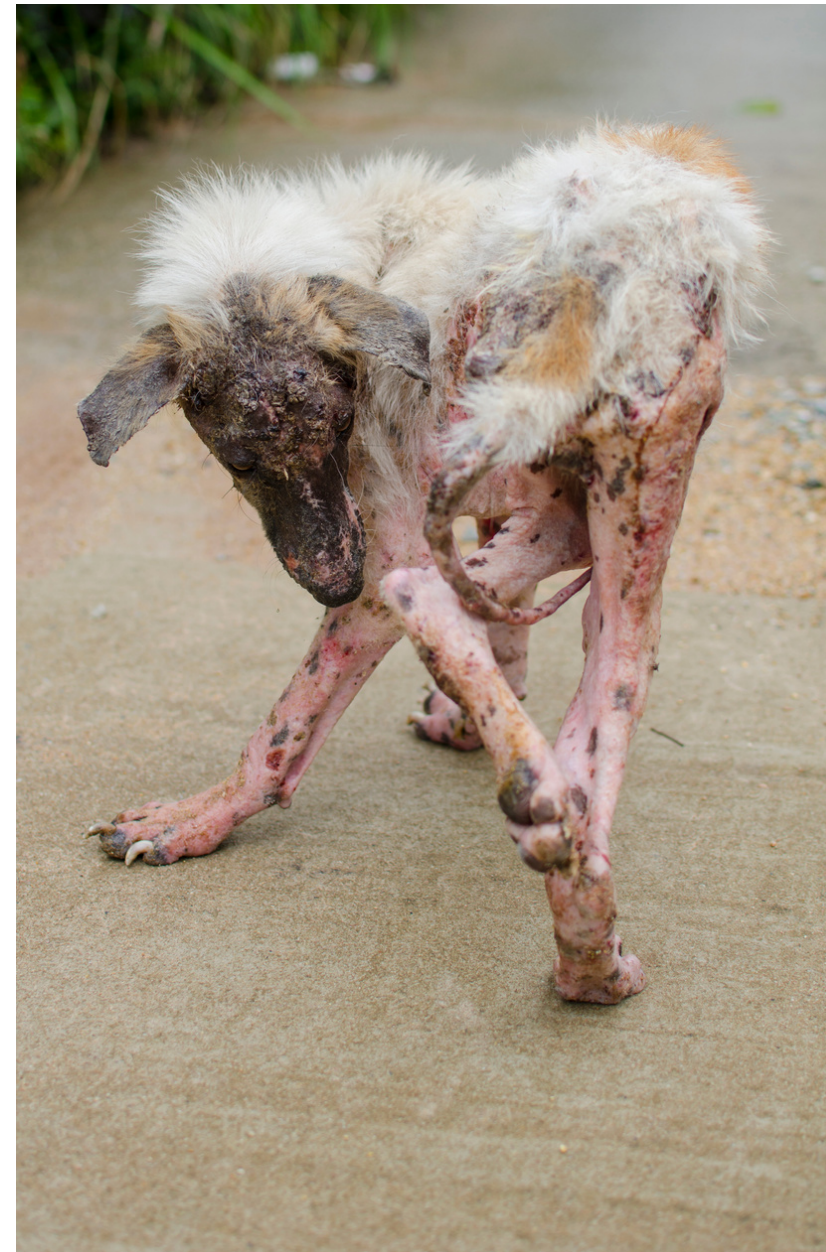
OpuntiaGel

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



NopalDry

Dehydrated cladodes



NopalDry A

Dehydrated cladodes



From Organic Farming



State Cut 2-5mm

Format Dehydrated at low temperature 45°

Cultivation Certified organic

Fields of application

Food Nutraceutical Cosmetic Pharmaceutical

Property

- High antioxidant power
- Gastric protector
- Hunger suppressant
- Cholesterol regulator

- Lipid regulator
- Hypoglycaemic
- Dietary supplement
- Bacteriostatic

- Nickel free
- OGM free
- ORAC 49800 $\mu\text{mol TE}/100\text{g}$
- Carbohydrates 24.5 g/100
- Insoluble fibers 14.29 g/100
- Soluble fibers 39.60 g/100
- Proteins 3.56 g/100
- Kcal 206 g/100
- Vitamin C 22mg/100g
- Calcium 17.95mg/100g

- Potassium 50mg/100g
- Magnesium 8.80 mg/100g
- Calcium oxalates 8 mg/100g
- Phosphorus 2.59 mg/100g
- Glutamine 36.12 g/100g
- Asparagine 3.13 g/100g
- Leucine 2.71 g/100g
- Isoleucine 3.97 g /100g
- Phenylalanine 3.55g/100g
- Serine 6.68 g/100g



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

NopalDry B

Dehydrated cladodes



From Organic Farming



State Micronized 300/500 micron

Format Dehydrated at low temperature 45°

Cultivation Certified organic

Fields of application

Food Nutraceutical Cosmetic Pharmaceutical

Property

- High antioxidant power
- Gastric protector
- Hunger suppressant
- Cholesterol regulator

- Lipid regulator
- Hypoglycaemic
- Dietary supplement
- Bacteriostatic

- Nickel free
- OGM free
- ORAC 49800 $\mu\text{mol TE}/100\text{g}$
- Carbohydrates 24.5 g/100
- Insoluble fibers 14.29 g/100
- Soluble fibers 39.60 g/100
- Proteins 3.56 g/100
- Kcal 206 g/100
- Vitamin C 22mg/100g
- Calcium 17.95mg/100g

- Potassium 50mg/100g
- Magnesium 8.80 mg/100g
- Calcium oxalates 8 mg/100g
- Phosphorus 2.59 mg/100g
- Glutamine 36.12 g/100g
- Asparagine 3.13 g/100g
- Leucine 2.71 g/100g
- Isoleucine 3.97 g /100g
- Phenylalanine 3.55g/100g
- Serine 6.68 g/100g



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

NopalDry

Dehydrated cladodes



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



NopalDry

Dehydrated cladodes



Some examples of Pharmaceutical sector application:

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



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



Note

- All products are certified organic.
- Our crops are in Sicily.
- Our company is 100% Italian.

Contact



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YOUR
Sicily

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Production site: C/da Sabuci allo Sperone Licata AG

Cultivations: San cono - Sicily - Italy

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