



New Opportunities
The Remarkable Properties of Prickly Pear

We are an agricultural cooperative.

We have consistently dedicated ourselves to the production of semi-finished products derived from prickly pear cladodes.

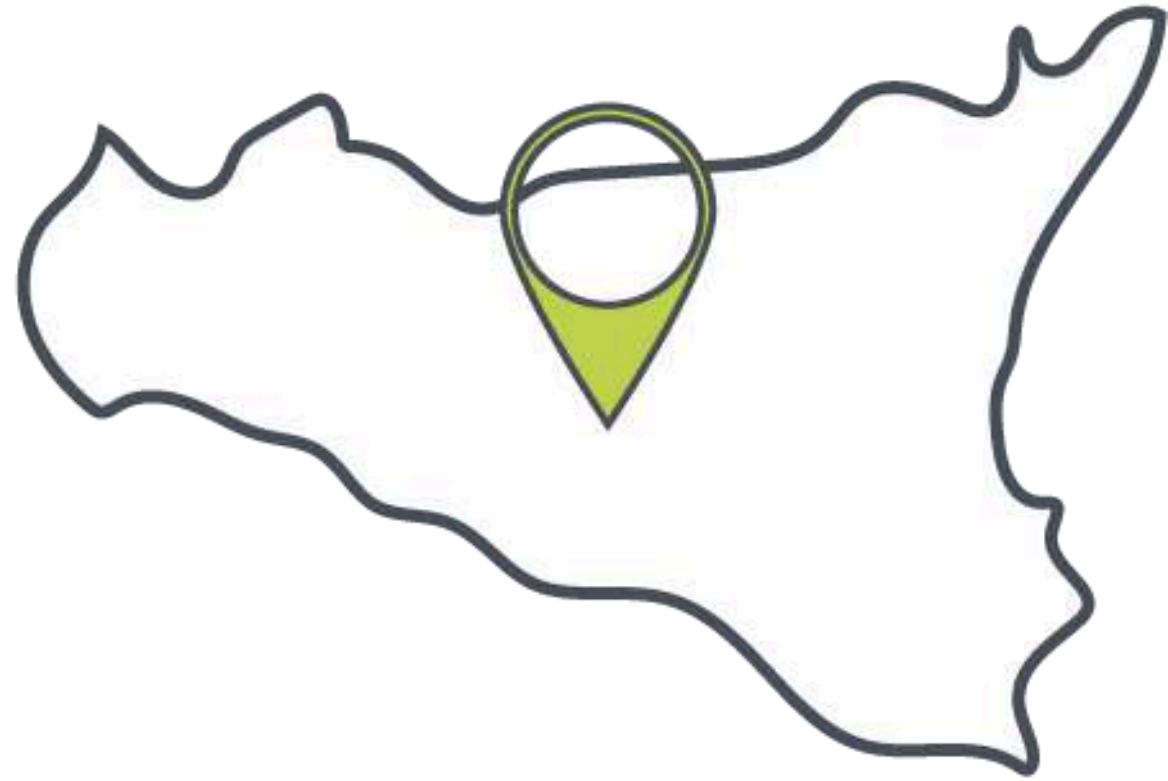
We approach our work with passion, professionalism, and dedication, cultivating a plant that possesses significant potential and has evolved over the centuries into a symbol of Sicily and the Mediterranean.

You will uncover the remarkable properties of Opuntia and its extensive array of semi-finished products that are beneficial for creating your upcoming product.

Welcome to Opuntia Italia.



A production area spanning more than 2500 hectares in the center of Sicily.



Raw materials sourced solely from certified organic agriculture.



A thorough inspection of each individual cladode prior to entering the processing lines.

Gel Extract



Emollient and soothing effect in the stomach

By consuming the product in its natural visco-elastic liquid form, the barrier effect, along with its emollient and soothing properties throughout the digestive system, is enhanced.



Emollient and soothing effect on the skin

In the event of sunburn or heatstroke, Prickly Pear Gel, known for its potent soothing properties, effectively alleviates burning sensations and redness. The proven capacity to minimize the evaporation of subcutaneous fluids also maintains the skin's natural softness.



Healing action

The presence of Picrodic Acid, in conjunction with elongated sugar chains, facilitates accelerated healing, even in instances of diabetes.



Gel Extract



Mechanically and
cold-pressed

Whole grain gel

Commercial name: OpuntiaGel

Format: Viscoelastic fluid

Ideal for: Functional drinks

Soothing creams

Emollient creams

Packaged:



5 kg
HDPE tank



25 kg
HDPE tank



1000 Kg
Barrel



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*
- Nichel free*
- Lead free*
- Antimony free*
- ORAC 1038 $\mu\text{mol TE}/100\text{g}^*$

***Analysis conducted on the product**

- 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**

****Data reported from scientific bibliography**



GLUTEN FREE



NICHEL TESTED



COBALTO TESTED



CROMO TESTED



PIOMBO TESTED



CADMIO TESTED

Comparison 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

Complimentary consultation regarding our products.

In addition to semi-finished products, we provide our customers with comprehensive documentation, scientific expertise, and support essential for the development of formulas or variations that meet specific production requirements.

Please reach out to us for any information, support, or sampling. Our technical offices are available to assist you with any requirements necessary for the development of your new product.

