

# THE HIGH PROTEIN CHIA FIBER

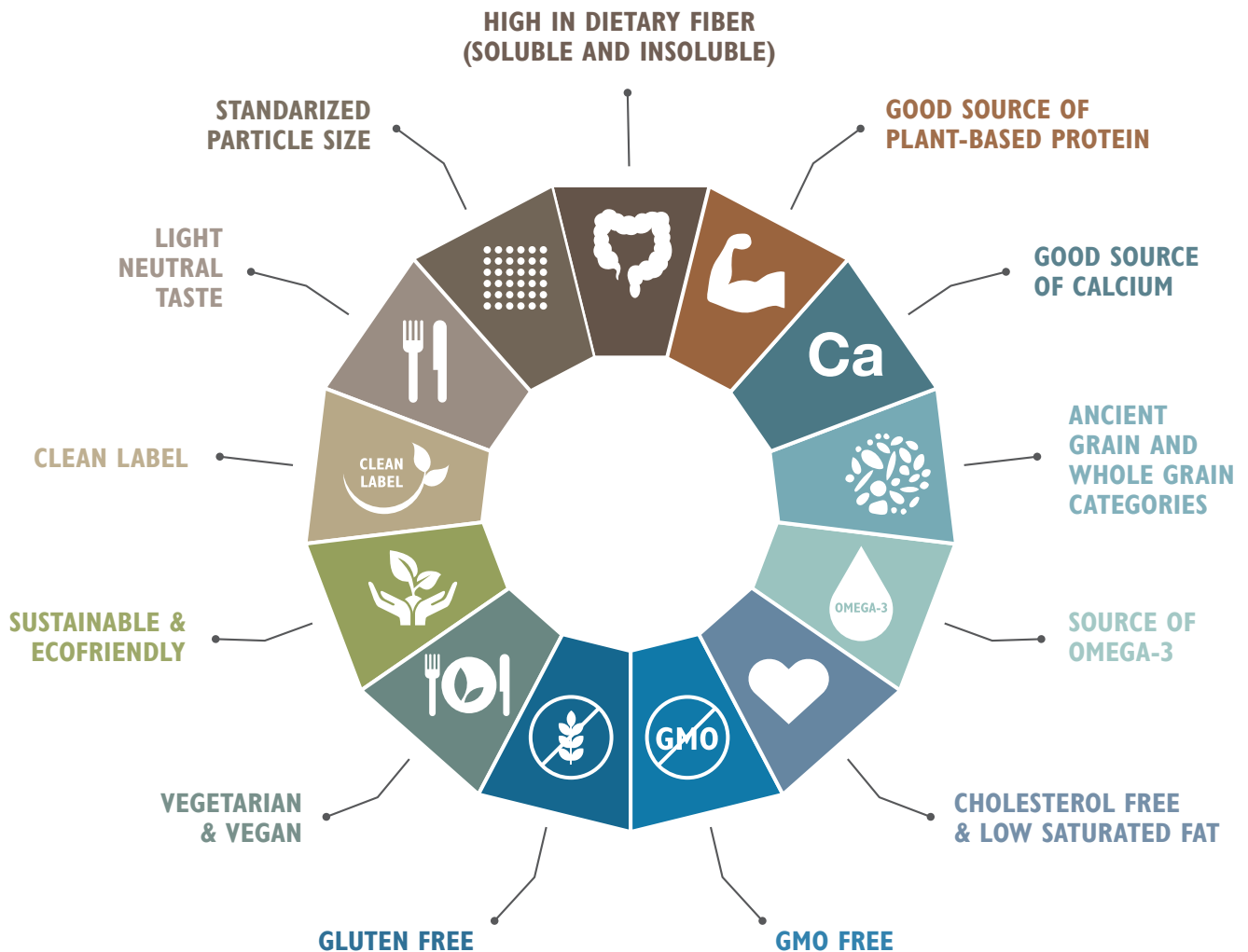
A NEW MULTIFUNCTIONAL FIBER FOR THE FOOD INDUSTRY



# XIA POWDER-435

Benexia® Xia Powder-435 is a multifunctional fiber concentrate, extracted from the chia seed that has a total dietary fiber content of up to 56%, as well as 25% high biological value plant-protein and 4% omega-3.

Benexia® Xia Powder-435 will revolutionize the market of fibers due to its outstanding nutritional properties, and its versatility of uses and applications in the food industry.



## MICROTECH®, TECHNOLOGICAL BREAKTHROUGH FOR CHIA SEED

### PRESERVED NUTRITION AND EXTENDED SHELF LIFE

Benexia® Xia Powder-435 is processed by Microtech®, a new exclusive and unique technology especially designed for chia: it is a natural and organic process that disintegrates the chia into micro-particles and guarantees a very stable product, with the best shelf life and an exceptional nutritional content.

### A CHIA FIBER CONCENTRATED IN A STANDARDIZED MICRO PARTICLE SIZE

MicroTech® provides a high quality product with a particle size distribution 100% under 435 microns. Benexia® Xia Powder-435 is an ingredient designed for bakery and pasta applications, extruded cereal mixes and textured beverage applications. These products will see their nutritional profile enriched in fiber, protein and omega-3 with this 100% natural and allergen free chia ingredient.

### WHAT IS CHIA?

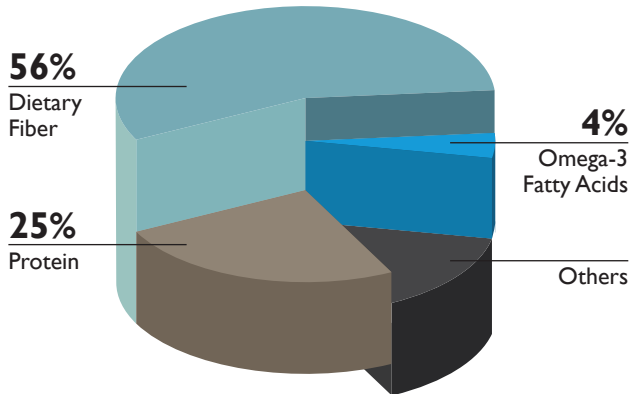
The chia seed is a small tiny seed that has a history and tradition of more than 3,500 years in the Aztec and Mayans civilizations thanks to the natural quality of its nutrients. It is the highest source of omega-3 found in nature.

The Benexia® Xia Powder-435 concentrates a high amount of fiber extract from the chia seed, besides providing an excellent content of protein and omega-3.



## AN EXCEPTIONAL NUTRITIONAL CONTENT:

- 56% of total dietary fiber, soluble and insoluble.
- 25% protein with all essential amino acids.
- 4% omega-3 fatty acids.
- Source of calcium, magnesium, phosphorus and potassium.
- Allergen free.



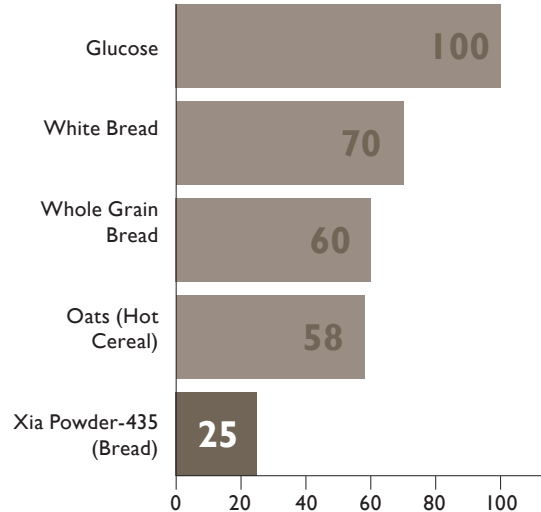
## HEALTH BENEFITS:

Benexia® Xia Powder-435 contains high quality nutrients: dietary fiber, antioxidants, omega-3 fatty acids and minerals, that are supporting:

- Cardiovascular risk prevention.
- Digestive health.
- Immune system.
- Blood sugar management (low glycemic index).
- Weight management.

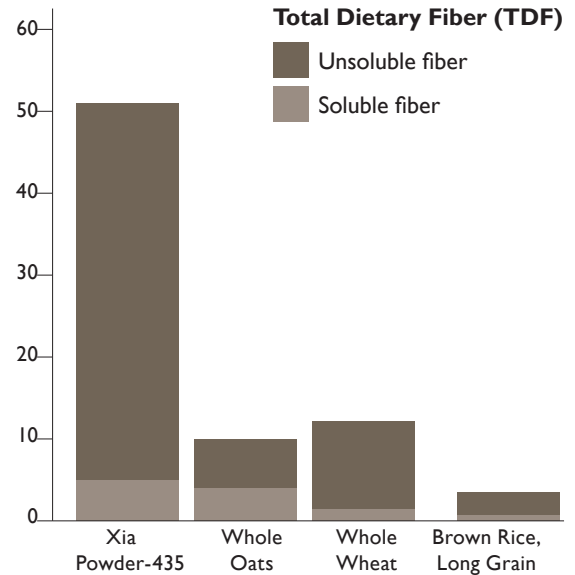
## XIA POWDER-435: AN AMAZING NEW BALANCED FIBER SOURCE

### GLYCEMIC INDEX (GI) COMPARISON



### XIA POWDER-435 VS. TRADITIONAL GRAIN SOURCES:

Analysis of total dietary fiber components.



Sources: USDA National Nutrient Database for Standard Reference, Release 23; J Agric Food Chem, 2010, 49: 2437; Cereal Chem, 1999, 76: 788; cereal Chem, 2000, 77: 673.



## A NEW REVOLUTIONARY INGREDIENT:

### TECHNOLOGICAL AND FUNCTIONAL PROPERTIES

- Standardized particle size <435 microns (mesh 40).
- Improve “whole grain” appearance.
- Good ability to extrusion.
- Synergistic effect with proteins and bonding agents.
- Light neutral flavor, ideal for flavoring process.
- Improves dough, yield elasticity, volume and texture in baked products.
- Stabilizes the fiber network.
- Capillary effect (increase binding of water and oil).
- Reduction of glycemic index and calories by the replacement of starch with dietary fiber.
- High process tolerance.
- Delivers excellent crumb characteristics.
- Improves freezing and toasting quality.
- Unique color.
- Maintains “al dente” texture.

### PRINCIPAL APPLICATIONS

- Bread and bakery products.
- Pastas.
- Extruded cereals.
- Gluten free foods.
- Snacks.
- Bakery mixes and pre-mixes.





## A LEADER IN THE INDUSTRY

Benexia® is, since year 2000, the biggest and the best quality producer of chia seed worldwide. Benexia® is specialized in chia seed extractions, that have been developed by experts to be implemented in Benexia's facility. These exclusive natural processes guarantee the superior quality of our products, and a CLEAN LABEL in your final finished product.

### Benexia owns proprietary processes for all its products:



- Quality and food safety
- Extended shelf life
- Chemical and solvents free
- Natural extraction

### We are different:

- We care for nature and the natural character of the products we offer.
- We own and protect our genetics.
- We guarantee the nutritional value of our products.
- We are socially responsible.
- All our products are fully traceable.

### Our products are superior:



## NOT ALL AGRICULTURAL PRODUCTIONS ARE SUSTAINABLE. OUR IS!

Benexia® is based on sustainable agriculture and raise everyday the challenge of “Eco Friendly” production. It was born from an initiative of a group of innovative growers in the 90's, with sustainability as a priority. Today it is one of the most important values of the company.

## OUR TEAM AND THE BEST CUSTOMER SERVICE

A group of passionate people fully devoted to the product and to our customers, with a great sense of service and love for health and well-being. We offer support in Nutrition, Scientific & Regulation matters, with the best experts to assist your needs.

