

CHIA PROTEIN 40%

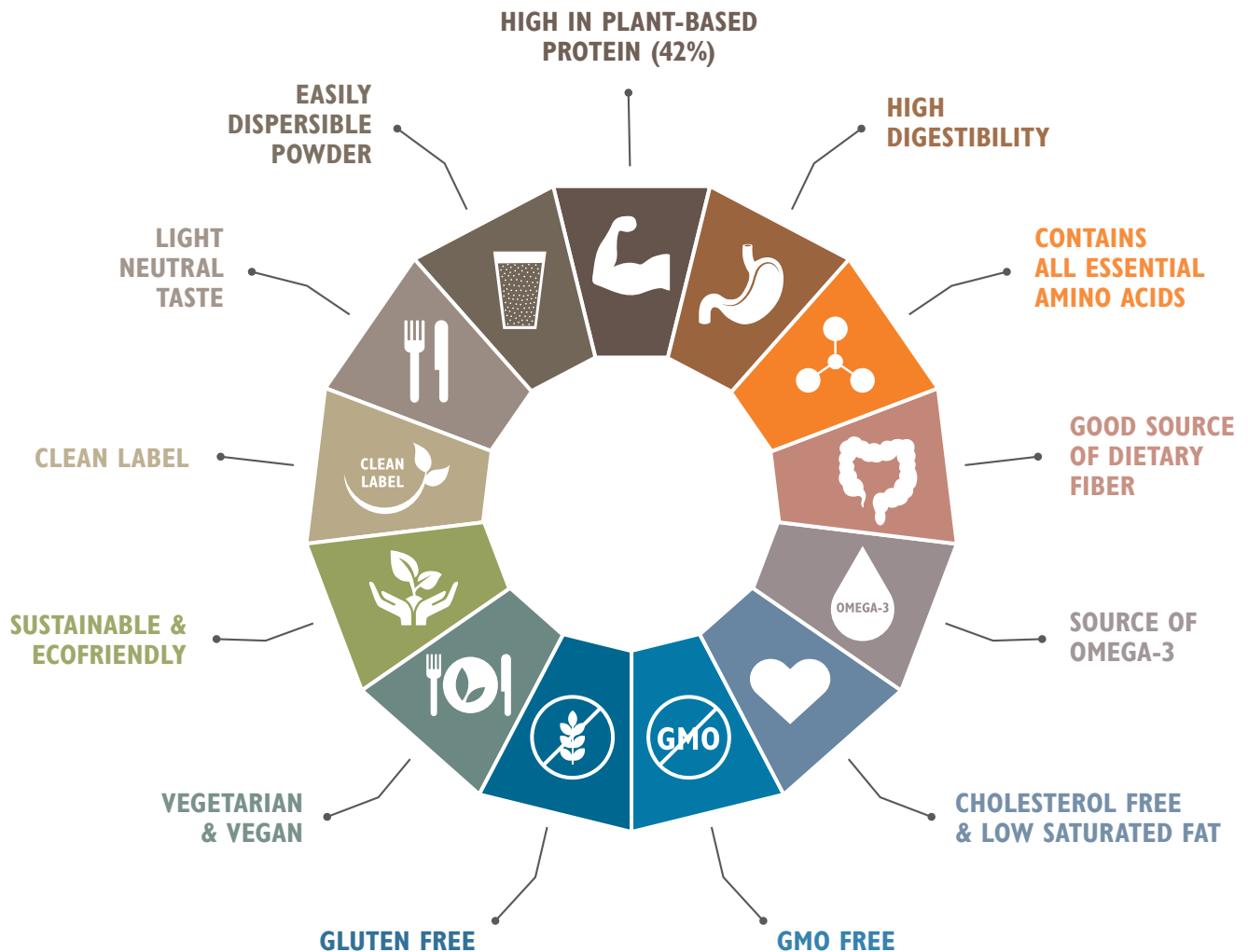
THE NEW MULTIFUNCTIONAL PLANT-BASED PROTEIN



XIA POWDER-125

Benexia® Xia Powder-125 LM is a multifunctional high protein chia extract that concentrates chia protein in a micro-milled format. It is a vegetal protein that is easily dispersible with good quality, low in saturated fat and with no cholesterol. It also has the advantage of

containing all essential amino acids and a high digestibility. Benexia® Xia Powder-125 LM is an excellent ingredient to help cover the daily protein requirements, as well as a large portion of the daily requirement of dietary fiber and omega-3 polyunsaturated fatty acids.



MICROTECH®, TECHNOLOGICAL BREAKTHROUGH FOR CHIA SEED

PRESERVED NUTRITION AND EXTENDED SHELF LIFE

Benexia® Xia Powder-125 LM is processed by Microtech®, a new exclusive and unique technology especially designed for chia: it is a natural and organic process that disaggregates the chia in micro-particles and guarantees the best shelf life, nutritional content and stability for this chia extract.

A CHIA PROTEIN CONCENTRATED IN A STANDARDIZED MICRO PARTICLE SIZE

MicroTech® provides a high quality product with particles size distribution 100% under 125 microns and concentrates the protein up to 40%, to offer an ingredient exclusively designed for beverage, nutritional supplements and liquid applications. Proteins powders and other blends will see their nutritional profile enriched in proteins, fiber and omega-3 with this innovative chia ingredient.

WHAT IS CHIA?

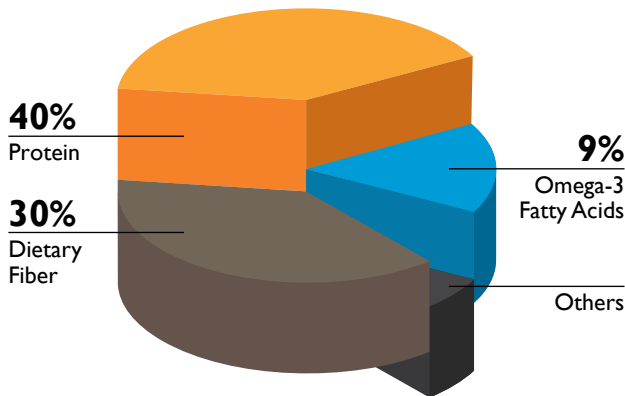
The chia seed is a small tiny seed that has a history and tradition of more than 3,500 years in the Aztec and Mayans civilizations thanks to the natural quality of its nutrients. It is the highest source of omega-3 found in nature.

The Benexia® Xia Powder-125 LM concentrates a high amount of protein extracted from the chia seed, besides providing a good content of dietary fiber and omega-3.



AN EXCEPTIONAL NUTRITIONAL CONTENT:

- 40% protein with all essential amino acids, high digestibility and bioavailability.
- Contains significant amount of glutamine (6.75g) and BCAAs (Leucine:Valine:Isoleucine 2:1:1).
- 30% of total dietary fiber, soluble and insoluble.
- 9% omega-3 fatty acids.
- Low in saturated fat.
- Allergen free.



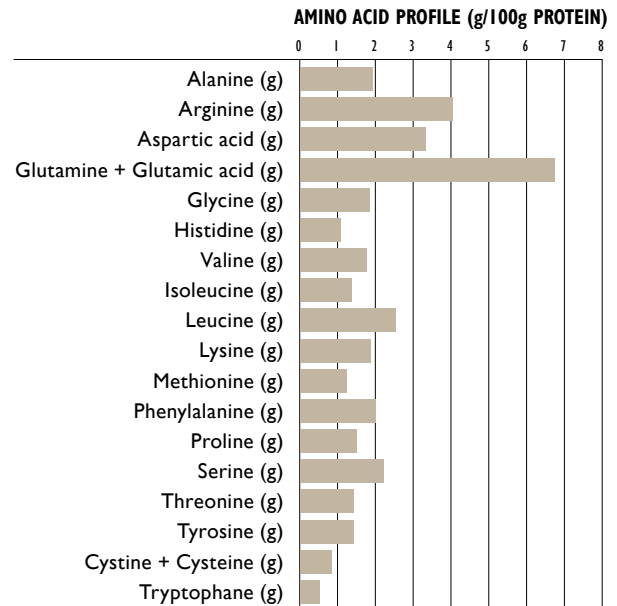
HEALTH BENEFITS:

Benexia® Xia Powder-125 LM contains high quality nutrients: protein, dietary fiber, antioxidants, omega-3 fatty acids and minerals, that are supporting:

- Muscle mass and body tissues.
- Immunological system.
- Weight management.
- Cardiovascular risk prevention.
- Sport energy.

XIA POWDER-125 LM: A REMARKABLE NEW PLAYER AMONG THE PLANT-BASED PROTEIN SOURCES

XIA POWDER'S AMINO ACID PROFILE



Analysis performed by Eurofins, France. Report Analysis N°AR-14-AA-006384-03

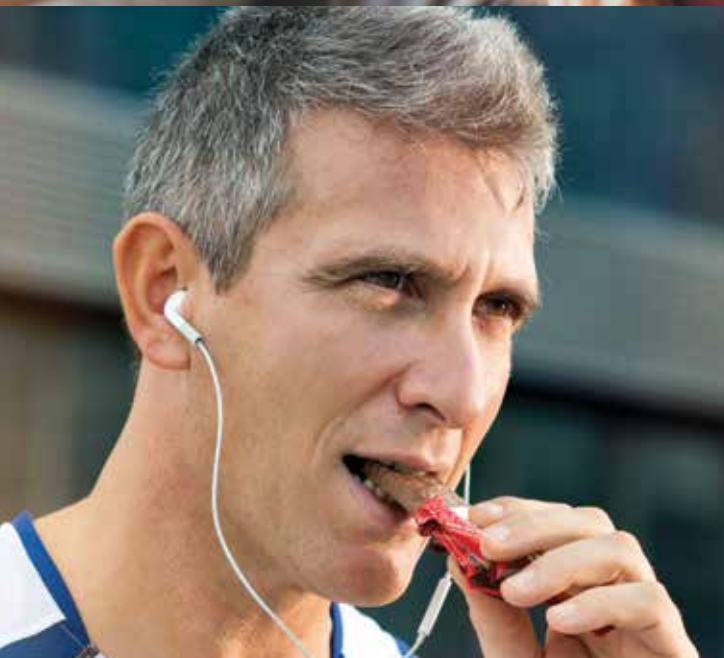
WITH AN AMAZING PROTEIN DIGESTIBILITY CORRECTED AMINO ACID SCORE (PDCAAS)

	XIA POWDER-125 LM
AA Score	1,03
Digestibility %	0,92
PDCAAS	0,95

COMPARED PDCAAS WITH OTHER PROTEIN SOURCE

PROTEIN TYPE	PDCAAS	AA SCORE
Whey Protein ¹	1,00	1,14
Whole Egg ¹	1,00	1,21
Casein ¹	1,00	1,00
Soy Protein ¹	0,98	0,99
Xia Powder-125	0,95	1,03
Pea Protein ²	0,93	0,95
Beef Protein ¹	0,92	0,94
Hemp Protein ³	0,84	0,97
Wheat Gluten ¹	0,25	0,47

1. Hoffman JR, Falvo MJ. "Protein-Which is Best?" Journal of Sports Science and Medicine. 2004; 3:118-130.
2. Laetitia Guerin-Deremaux "Evaluation of the nutritional quality of NUTRALYS® Nutritional Study" Abstract N°12, V2, January 2010.
3. PDCAAS was unavailable for the hemp protein discussed in this article. Therefore, an estimation was made using on the basis of hemp seeds and hemp seed meal using data from this article: House JD, Neufeld J, Leson G. "Evaluating the quality of protein from hemp seed (Cannabis Sativa L.) products through the use of the protein digestibility-corrected amino acid score method." J Agric Food Chem. 2010 Nov 24; 58 (22):11801-7.



A NEW REVOLUTIONARY INGREDIENT:

TECHNOLOGICAL AND FUNCTIONAL PROPERTIES

- Standardized particle size <125 microns (mesh 120).
- Emulsifying, thickening and gelling ability.
- Replace hydrocolloids, gums or pectin.
- High binding power of fat and water.
- Excellent suspension in liquids, shakes or gels.
- Natural mouthfeel and creaminess.
- Easily dispersible.
- Totally or partially replaces milk or soy proteins.
- Provides nutritional synergy with other plants-proteins such as quinoa, pea or hemp.
- Resistant to thermal requirements and pH value fluctuations.
- With shelf life > 2 years.

PRINCIPAL APPLICATIONS

- Beverages (juice, smoothie, vegetal milk).
- Nutritional supplements.
- Sport nutrition.
- Dairy products.
- Dessert preparations.
- Fruit purees.





A LEADER IN THE INDUSTRY

Benexia® is, since year 2000, the best quality chia producer worldwide.

Benexia is fully vertically integrated (plant cultivation, production, extraction and concentration processes, ingredients development), from agricultural production towards the final ingredients and solutions.

Benexia guarantees traceability from the fields, and certified quality (GAP, GMP-HACCP and FSSC 22000), Halal and Kosher.

FARM-TO-FINISH PRODUCTION

RESPONSIBLE FARMING

Benexia has agricultural practices of direct sowing and crop rotation that protect the soil, as it is the most important asset of a farmer. This allows the soil to regenerate the necessary nutrients and guarantee the nutritional quality of the grains. Our crop fields are naturally irrigated by rain falls.

NATURAL PROCESSING AND ZERO WASTE FOR A CLEAN LABEL

Benexia's processing facility guarantees no waste in the production. It is FSSC 22000 certified (GSFI Level 2) for food safety, and Benexia does not use any chemical in its processes. We are a 100% natural and efficient chia ingredient producer.

SOCIAL RESPONSIBILITY

Benexia impacts the environment positively, with creative and positive economic activities that are in perfect balance with the ecosystem. We are constantly looking at ways to better protect nature, and offer a better quality of life for our people.

We will always deliver the best ingredients from our fields to you, with the best nutrition, that will help you achieve your consumer's nutrition and wellness objectives.

OUR TEAM, THE BEST CUSTOMER SERVICE

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

