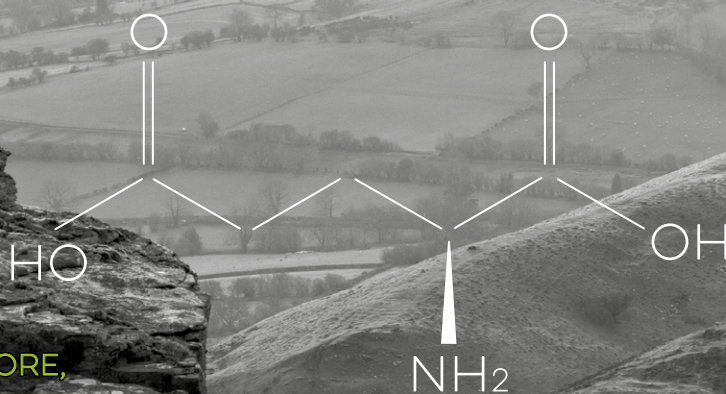


Amino Acids & Peptides for Green Farming



„THERE IS A RAPTURE ON THE LONELY SHORE,
THERE IS SOCIETY, WHERE NONE INTRUDES,
BY THE DEEP SEA, AND MUSIC IN ITS ROAR:
I LOVE NOT MAN THE LESS, BUT NATURE MORE ...“

LORD BYRON - FROM "CHILDE HAROLD'S PILGRIMAGE

AGRITECH.BIO® S.R.L.

Via Greti San Martino 23

IT-19020 Follo (SP)

welcome@agritech.bio

T +39 0187 158 28 65

www.agritech.bio



AGRITECH.BIO®

CLEAN & GREEN PROTEIN

OUR ROOTS ARE IN THE ITALIAN „VAL DI VARA“
IN THE PROVINCE OF LA SPEZIA, BEST KNOWN FOR
THE VARA VALLEY'S COMMITMENT TO ORGANIC
FARMING AND HOME OF THE FIRST MUNICIPALITY
IN EUROPE TO BE AWARDED AN EU ECO-CERTIFICATE
FOR ENVIRONMENTAL QUALITY.



PORTRAIT

History

AGRITECH.BIO S.R.L. was founded in 2023 as a biochemical start-up. The company is managed by an international team of experts with first class experience in sourcing, Good Manufacturing Practice and worldwide distribution of organic fertilizer ingredients.

AGRITECH.BIO S.R.L. produces and distributes PROTAN AG's BIOPROTAN®, DIAMIN® and PROTEIN products in Italy.



Product and Service

AGRITECH.BIO S.R.L. is a specialist in the up-cycling of natural plant and animal proteins. Our core offer includes high quality protein peptides and amino acids for the production of water soluble organic fertilisers, bio-stimulants and protein-mineral complexes.

Our production plant, situated in ITALY in close proximity to the seaport of La Spezia, enables us to operate as a leading supplier of BIO-Ingredients for organic farming. We also offer subcontracted production and formulation services.

Our products and services are adapted to best fit within an environmentally friendly chemical industry, professional agriculture, and wholesale trade.

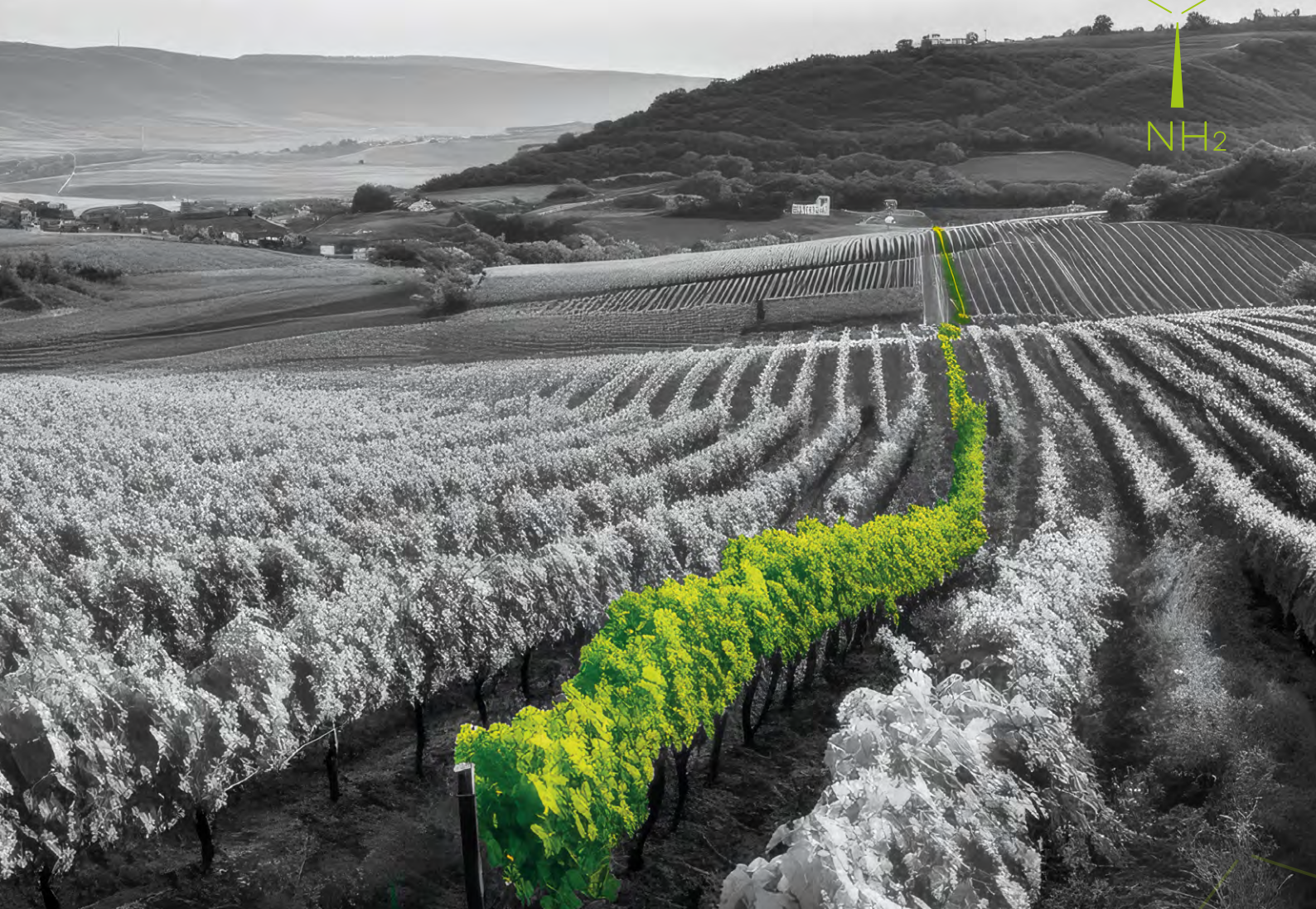
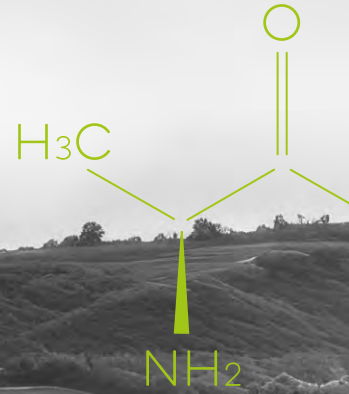
More than „Business as Usual“

Our company is large enough to master international challenges while keeping the ability to offer tailored solutions for individual customers. Our team's expertise and dedication ensure that we provide the best quality and value for money to our customers, establishing us as a reliable and trustworthy partner.

Clean farming and sustainable agriculture is our primary business focus. Our commitment to environmental sustainability is firmly embedded in our DNA. We take pride in offering "Clean & Green" BIO-Ingredients that respect ecosystems, as they are free from Genetical Modified Organism (GMO), pesticides, and controversial chemical residues. We also place special emphasis on a small ecological footprint of our production processes, contributing to a sustainable and environmentally friendly agriculture.

„Clean“ and simple!

WE HELP OUR PARTNERS TO PRODUCE MORE
WHILE CONSUMING LESS!



GREEN
LKW WALTER

CO₂ Reduction Certificate

Protan AG
LI-9495 Triesen

has transported, in cooperation with LKW WALTER,
a total of 30 full truck loads by means of

**Combined Transport
road – rail/short sea**

in 2022 and thus contributed considerably
to climate and environment protection.

**CO₂e reduction
20 765 kg**

Heidi Koidoba
SHEQ-Management
January 2023

GLEC
accredited

LKW WALTER
The European Transport Organisation

*CO₂e Emissions Calculation GLEC Framework accredited, EN15258 conform and based on WTW (Well-to-Wheel) PHE, 202009

GREEN
LKW WALTER

CO₂e Reduction Certificate

Protan AG
LI-9495 Triesen

has transported, in cooperation with LKW WALTER,
a total of 31 full truck loads by means of

**Combined Transport
road – rail/short sea**

in 2023 and thus contributed considerably
to climate and environment protection.

**CO₂e reduction
24 268 kg**

Heidi Koidoba
Management Board Member Head of SHEQ-Management
January 2024

GLEC
accredited

LKW WALTER
The European Transport Organisation

*CO₂e Emissions Calculation GLEC Framework accredited, EN15258 conform and based on WTW (Well-to-Wheel) PHE, 202009

OH

NATURAL AND SUSTAINABLE BIO-INGREDIENTS

In line with the principles of a **circular economy**, we process and upcycle organic by-products that are still fit for human and animal consumption but no longer have a profitable use.

We recycle protein from the yeast, starch, and gelatin production industries in an environmentally friendly way. Our **green chemistry** activities conserve water, minimise pollution, and significantly reduce energy consumption.

The recovery of natural proteins and their safe return to the market as organic fertilisers and essential plant nutrients increases agricultural productivity while maintaining ecological balance. Promoting sustainable and environmentally friendly agricultural practices is our contribution to "reduce, reuse, and recycle" in a modern and sustainable agriculture.

Contact AGRITECH.BIO S.R.L.

If you are looking for high quality hydrolysed proteins, free amino acids, and peptides ...

- Made from environmentally friendly organic materials.
- Produced sustainably with a drastically reduced water usage and a minimal carbon footprint.
- Processed into biodegradable fertilisers that promote healthy growth while protecting the environment.
- Totally free of chemical preservatives and pesticides,

contact us at welcome@agritech.bio
or call +39 0187 158 28 65.

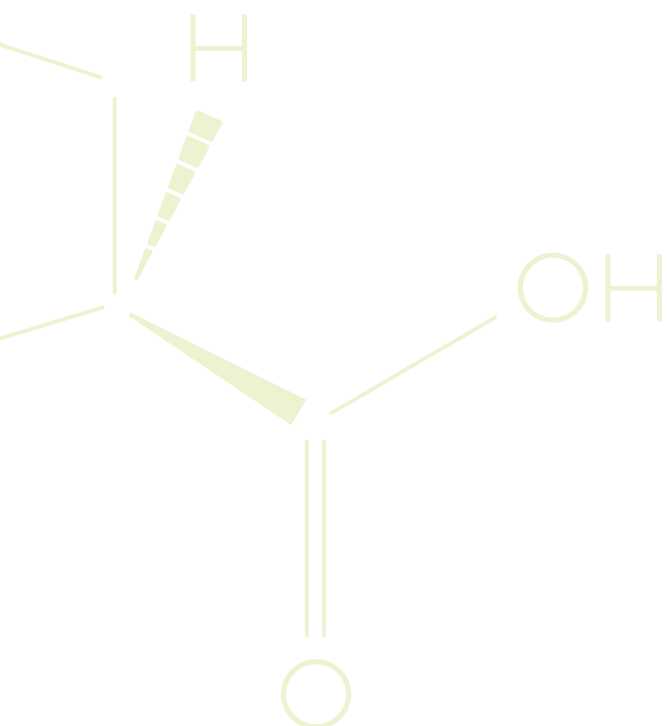
CO₂ pricing and environmental awareness

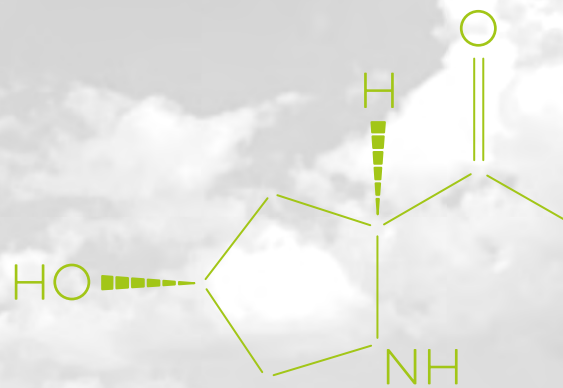
At AGRITECH.BIO S.R.L., we prioritize sustainability at every turn. We recycle our wastewater and power our operations with low-energy from renewable sources.

In partnership with our suppliers and customers, we are committed to sustainable packaging and transportation practices. By using recycled Intermediate Bulk Containers (IBCs), we minimise waste and promote resource efficiency.

And whenever possible, we use intermodal transport to reduce CO₂ emissions.

WWW.AGRITECH.BIO





„WE DON'T NEED A HANDFUL OF PEOPLE
DOING ZERO WASTE PERFECTLY.
WE NEED MILLIONS OF PEOPLE
DOING IT IMPERFECTLY.“

ANNE MARIE BONNEAU (ZERO WASTE CHEF)

OH

AMINO ACIDS AND PEPTIDES FOR GREEN FARMING

Amino acids are the building blocks of proteins; They are fundamental for the growth, development and functioning of all living organisms. The specific sequence and arrangement of the 20 standard amino acids determines the structure and the function of the protein.

Peptides are short chains of amino acids linked together by peptide bonds. They can be as short as two amino acids or as long as several dozen amino acids.

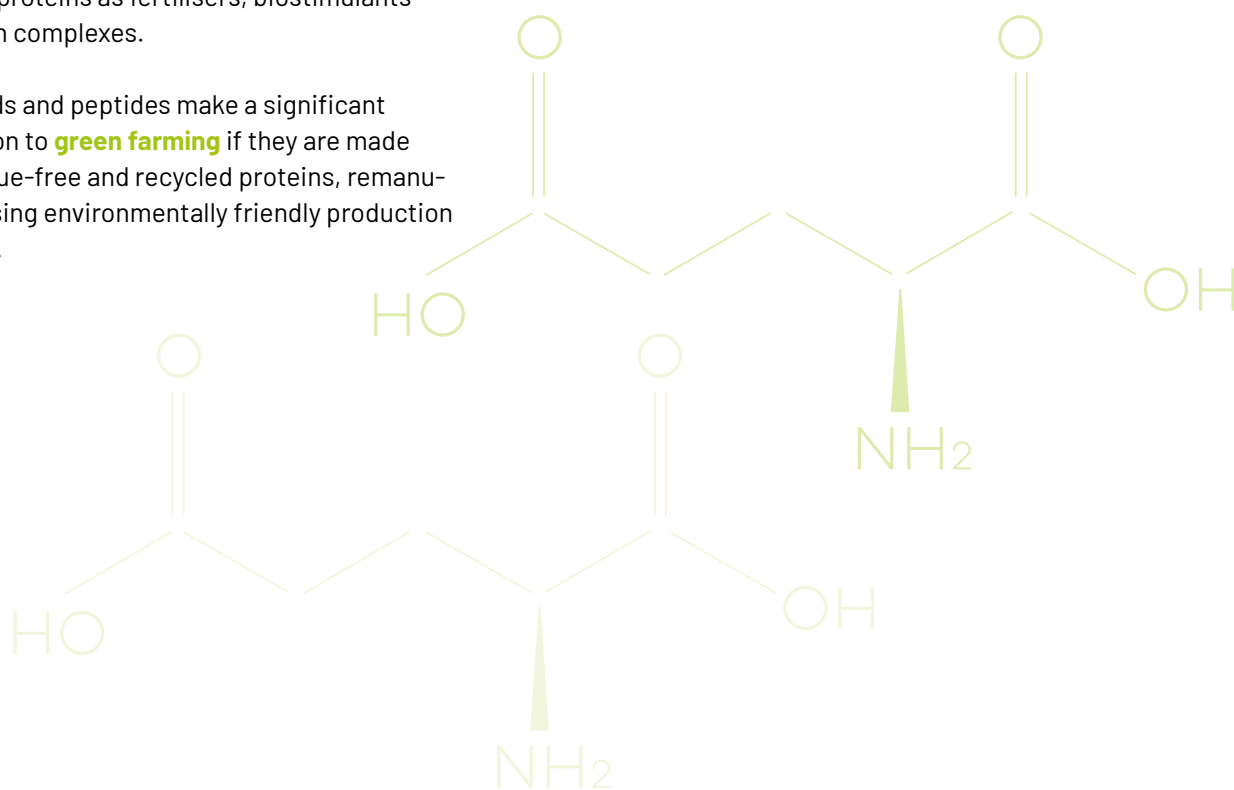
In agriculture, amino acids and peptides are important molecules involved in various biological processes. Understanding the functionality of individual amino acids and the ability to modify peptide chain lengths is essential for optimising the use of proteins as fertilisers, biostimulants and protein complexes.

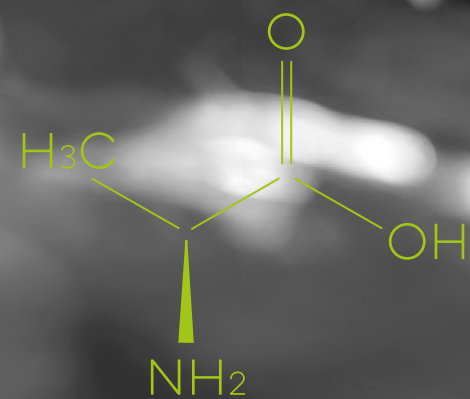
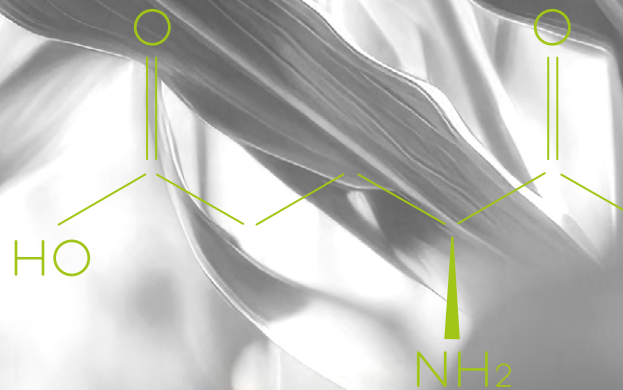
Amino acids and peptides make a significant contribution to **green farming** if they are made from residue-free and recycled proteins, remanufactured using environmentally friendly production processes.

Proteins, amino acids and peptides also play a crucial role in conventional and organic agriculture by supporting:

- Stress tolerance,
- nutrient efficiency and organic nitrogen supply,
- Foliar and root uptake of complexed microelements,
- Plant growth,
- Crop output quantity and quality.

At AGRITECH.BIO you will find natural bio-ingredients produced with “clean & green protein”, that align with the principles and regulations of both **green farming** and **organic agriculture**.





„THE WORLD CHANGES BY YOUR EXAMPLE,
NOT BY YOUR OPINION.“

PAULO COELHO

EXCELLENT CHOICE!

Why choose protein hydrolysates from AGRITECH.BIO S.R.L.?

Quality and safety come first at AGRITECH.BIO

Our hydrolysed and demineralized BIO-Ingredients have the highest concentration of peptides and free L-amino acids achievable with current technology. Our clean and green ingredients excel in foliar and fertigation applications and maintain their efficacy over time with long shelf life and no precipitation or loss of quality.

All animal raw materials processed in our facilities are sourced as Category 3 by-products. In addition, our production facilities comply with national and international veterinary requirements as set out in Regulation (EC) No 1069/2009.

AGRITECH.BIO Ingredients are guaranteed non-GMO!

Standard and tailor-made solutions

We offer the most requested amino acid specifications on the market. However, „Clean & Green Protein“ is available on request with varying levels of hydrolysis and meso, macro and micronutrient content.



For more information on how CLEAN & GREEN PROTEIN can benefit your business and our environment, please contact welcome@agritech.bio or visit our website. You can easily access our website by scanning the QR code with your mobile phone camera and clicking on it.

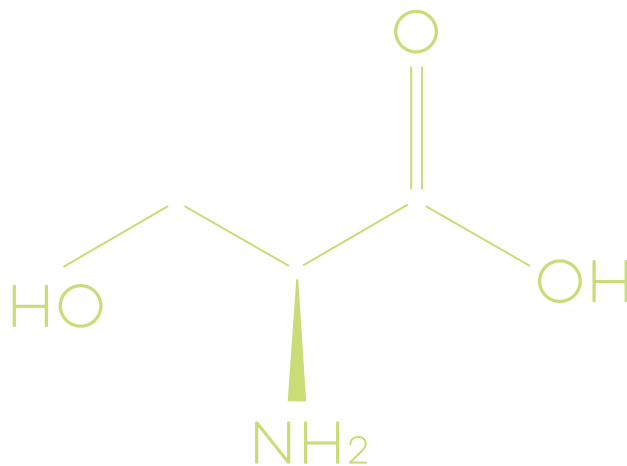
Organic is our business

The organic farming compatibility of our BIO-Ingredients is renewed annually by **ECOCERT** and **FIBL** in accordance with USA-NOP and European organic standards.

We support customers in the organic registration of formulations based on our BIO-Ingredients.

CLEAN & GREEN PROTEIN from AGRITECH.BIO is a guarantee of?

- BIO-Ingredients manufactured using environmentally friendly processes, minimizing ecological impact,
- Free from microbial and pesticide contamination, ensuring purity and safety,
- Proteins, amino acids, and peptides sourced from within the European Union, adhering to stringent quality standards,
- Direct purchase from the factory, guaranteeing both quality and profitability for our customers.



WWW.AGRITECH.BIO

AMINO ACIDS & PEPTIDES

LIQUID - ANIMAL ORIGIN

| | | N tot. % w/w | P ₂ O ₅ % w/w | K ₂ O % w/w | C org. % w/w | L-Amino Acids | | pH | Organic Farming |
|--|---|-----------------|--|---------------------------|-----------------|---------------|---------|-----|-----------------|
| | | | | | | % Free | % Total | | |
| Amino acids and desalinated peptides rich in amino nitrogen: | | | | | | | | | |
| PROTEIN-N 6.5 | ▶ | 6,8 | 0,5 | 2,0 | 23 | 2 | 35 | 5,5 | EU, NOP |
| PROTEIN-N 7.5 | ▶ | 7,5 | 0,5 | 1,0 | 24 | 2 | 42 | 5,5 | EU, NOP |
| PROTEIN-N 8.5 | ▶ | 8,5 | 0,3 | 0,7 | 25 | 2 | 48 | 5,8 | EU, NOP |
| PROTEIN-N 8 LS | ▶ | 8,3 | 0,1 | 0,1 | 23 | 2 | 52 | 5,8 | EU, NOP |
| PROTEIN-N 9.5 LS | ▶ | 9,5 | 0,1 | 0,1 | 26 | 2 | 56 | 7,2 | EU, NOP |
| PROTEIN-N 10.5 LS | ▶ | 10,5 | 0,1 | 0,1 | 27 | 2 | 62 | 6,5 | EU, NOP |
| Amino acids and Low Molecular Weight (LMW) peptides: | | | | | | | | | |
| DIAMIN® Basic | ▶ | 7,5 | 1,0 | 1,0 | 23 | 8 | 41 | 5,2 | EU, NOP |
| DIAMIN® Plus | ▶ | 8,5 | 0,3 | 0,2 | 25 | 13 | 48 | 5,8 | EU, NOP |
| DIAMIN® Power | ▶ | 7,5 | 1,0 | 1,0 | 23 | 20 | 44 | 5,0 | EU, NOP |
| PROTEIN-N 9 LMWx | ▶ | 9,0 | 0,1 | 0,1 | 25 | 10 | 55 | 6,5 | EU, NOP |
| DIAMIN® AminoMAX | ▶ | 7,0 | 0,1 | 0,5 | 23 | 33 | 40 | 5,5 | EU, NOP |
| DIAMIN® N9B | ▶ | 8,8 | 0,1 | 0,1 | 13 | 24 | 28 | 3,5 | - |
| DIAMIN® N9B Plus | | 8,8 | 0,1 | 0,1 | 20 | 12 | 38 | 5,5 | - |

PROTEIN and DIAMIN® are derived from edible proteins processed into environmentally friendly and residue-free ingredients.

LS: Low Salt; these products are particularly suitable for the formulation of protein mineral complexes.

Content of free amino acids and total peptides measured by the HPLC method. Customized formulations are available upon request.

Data sheets, detailed amino acid profiles, and further information are available upon request.

LIQUID - VEGETAL

| | | N tot. % w/w | P ₂ O ₅ % w/w | K ₂ O % w/w | C org. % w/w | L-Amino Acids | | pH | Organic Farming |
|------------------|---|-----------------|--|---------------------------|-----------------|---------------|---------|-----|-----------------|
| | | | | | | % Free | % Total | | |
| GLUTENAMIN® N6.5 | ▶ | 6,5 | 0,15 | 0,08 | 28 | - | 50 | 5,8 | EU, NOP |
| GLUTENAMIN® NK | ▶ | 5,5 | 0,20 | 3,00 | 30 | - | 24 | 5,5 | - |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

GLUTENAMIN® is derived from vegetable materials processed into environmentally friendly and residue-free ingredients

Content of free amino acids and total peptides measured by the HPLC method. Customized formulations are available upon request.

Data sheets, detailed amino acid profiles, and further information are available upon request.

PROTEIN MINERAL COMPLEXES

LIQUID - ANIMAL ORIGIN

| | N tot. % w/w | C org. % w/w | L-Amino Acids | | Meso- & Micronutrients | | | | | | pH |
|----------------------|-----------------|-----------------|---------------|---------|------------------------|--------------------------|------------|-------------|--------------|--------------|-----|
| | | | % Free | % Total | | | | | | | |
| Calcium Proteinate | 3,5 | 11 | 2 | 20 | CaO 8% | | | | | | 3,5 |
| Iron Proteinate | 2,5 | 6,5 | 4 | 12 | Fe 5% | | | | | | 6,3 |
| Magnesium Proteinate | 2,0 | 6,5 | - | 12 | Mg 4% | | | | | | 5,5 |
| Zinc Proteinate | 3,3 | 11 | 3 | 18 | Zn 6% | SO ₄ 10,6% | | | | | 6,0 |
| Microvega | 2,0 | 8,5 | - | 16 | Fe 1% | Mn 1% | Zn 1% | Mo 0,05% | B 0,5% | | 6,0 |
| Microfoliar | 3,3 | 11 | - | 22 | Mg 2% | Zn 1% | Mn 0,5% | | | | 6,0 |
| Microcomplex | 4,0 | 13 | - | 26 | B 1,5% | Fe 1% | Mg 0,8% | Mn 0,1% | Zn 0,1% | Mo 0,001% | 4,5 |
| Microcomplex Basic | 7,5 | 22 | 16 | 42 | Fe 0,2% | Mn 0,1% | B 0,05% | Zn 0,01% | Mo 0,005% | Co 0,001% | 6,3 |

Content of free amino acids and total peptides measured by the HPLC method. Customized formulations are available upon request. Data sheets, detailed amino acid profiles, and further information for the entire range are available upon request.



Attention to local registration and sales requirements!

Product might not be allowed for organic farming in some regions. Consult product registration requirements and local regulations in the country of distribution. It remains the obligation of the distributing company to carry out the legal steps to ensure the official registration of the product.

CONTACT

Thank you for your interest in
CLEAN & GREEN PROTEIN
from AGRITECH.BIO S.R.L.!

How to get in touch with us:

For visitors

If you plan to visit our factory, the nearest airports are **Cristoforo Colombo** in Genova and **Galileo Galilei** in Pisa. These airports are 110 km and 83 km respectively from La Spezia. From both airports you can easily reach Follo/La Spezia by public transport.

The address of our factory is

AGRITECH.BIO S.R.L.
Via Greti San Martino 23
IT-19020 Follo (SP)

For business inquiries



AGRITECH.BIO S.R.L.
Via Greti di Durasca 23
IT-19020 Follo (SP)



welcome@agritech.bio



+39 0187 158 28 65



For more information on how „CLEAN & GREEN PROTEIN“ can benefit your business and our environment, please contact welcome@agritech.bio or visit our website. You can easily access our website by scanning the QR code with your mobile phone camera and clicking on it.



Impressum

Authors

M.A. Christian DOBERS
Ing. Giancarlo BERNINI-CARRI

Editor

AGRITECH.BIO S.R.L.
Via Greti di Durasca 23,
IT-19020 Follo (SP)
welcome@agritech.bio
Tel.: +39 0187 158 28 65
www.agritech.bio

Typesetting

Englisch Version, M.A. Christian DOBERS

Credits

iStock_06352773_WLDavies
iStock_1222651955_FreshSplash
AdobeStock_618347961_Bnetto
AdobeStock_639262562_MPStudio
iStock-1333821927_Phynart Studio

Design

Atelier Kornexl . Hirschgraben 14 . A-6800 Feldkirch