

BASIC PLUS

Enzymatically hydrolysed Raw Material
for Fertilizer & Biostimulant Formulations

Concentrated liquid protein hydrolysate designed as a reliable, high quality raw material for modern fertilizer and biostimulant formulations.

Gentle enzymatic hydrolysis

- Low process temperature preserves natural L-amino acids and bioactive compounds.
- No racemization, no unwanted by products; environmentally safe.
- Final drying step yields >95% dry matter for a stable, long lasting product.
- Fully compliant with EU Regulations 834/2007 & 889/2008.



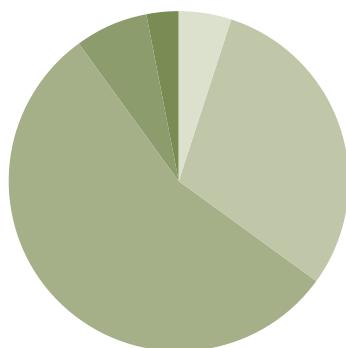
Provides energy for plants

Content

Free L-amino acids:	> 17%
biologically active metabolites:	> 150
• Peptides	• Total AAs: 23%
• Bile acids	• Total Nitrogen (N): 4.0%
• Lipids	• Organic Carbon (C): 15.0%
• Nucleotides	• Organic matter: 30.0%

Optimum molecular weight

- Highest portion of biologically active AAs and small peptides content.
- >90% of all AAs in the product are 3.000 Daltons or less.



■ 1 - 1.000 ■ 1.000 - 3.000 ■ 3.000 - 8.000 ■ 8.000 - 15.000 ■ >15.000

Functional benefits for the formulators

- *Chelation & stability*: Superior chelating effect ensures better micronutrient stability and bioavailability.
- *Optimized nutrient uptake* for maximum efficiency.
- *Enhanced translocation* ensures nutrients reach target issues.
- *Supports stress tolerance and plant recovery* through bioavailable free L-amino acids and secondary metabolites.
- *Unique colour and odour*.
- *Tank-mix compatibility*: Stable with agrochemicals and biologicals, expanding formulation options.
- *Metabolic activation*: Proven stimulation of Rubisco and PEPCase enzymes, enhancing photosynthesis and nutrient assimilation.
- *Rain fastness*: Rapid penetration protects against wash off.
- *Low dose, High efficacy*: Enables lower inclusion rates in formulations, reducing the cost/ha average.
- *Improves efficiency* of fertilizer and plant protection treatments.

Most balanced distribution of all essential L-form AAs

Enzymatic Hydrolysis	ASP	SER	GLU	GLY	HIS	ARG
	THR	ALA	PRO	CIS	TYR	VAL
	MET	LYS	ILE	LEU	PHE	TRP

L-amino acids

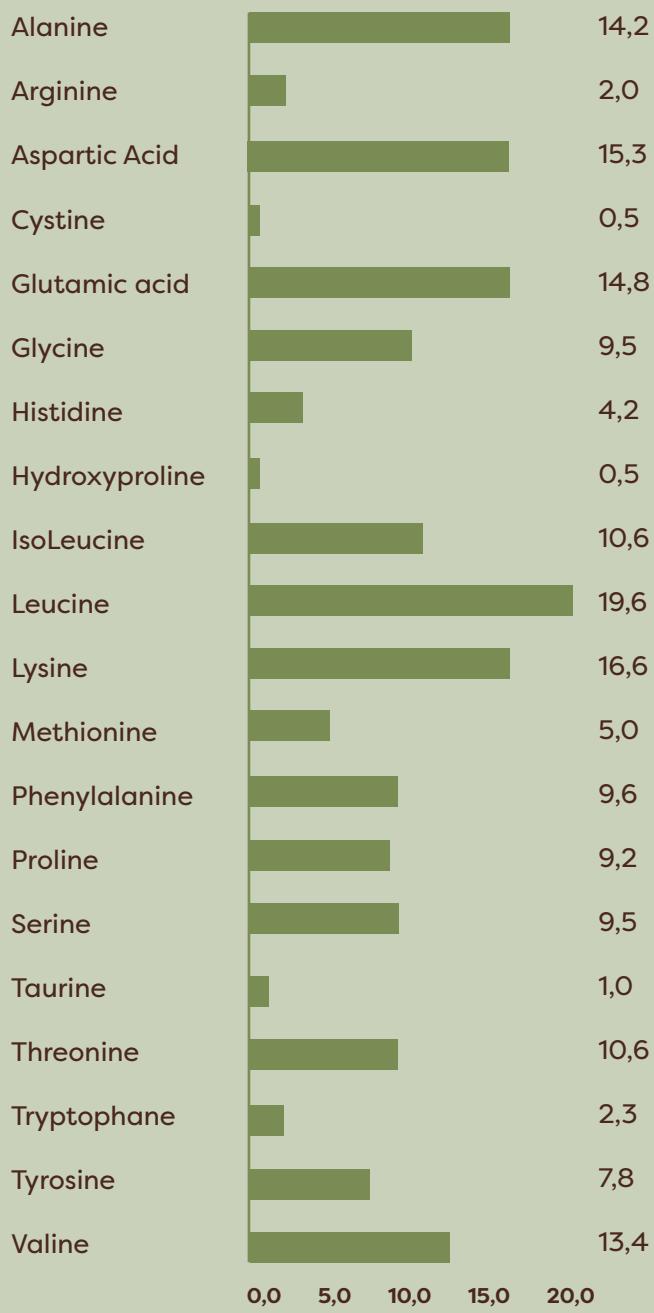
Natural form used by plants for protein synthesis and metabolism

Chemical Hydrolysis	GLY	TYR	SER	HIS	ARG	GLU
	MET	CIS	ALA	PHE	THR	PRO
	VAL	ASP	LYS	LEU	TRP	ILE

D- / L-amino acid ratio c. 50/50

D-AAs not directly usable; in excess may *inhibit growth*.

FREE L-form Amino Acids (g/kg)



Application

- Apply 2 up to 4 times at 0.15 – 2 l/ha during the crop cycle during critical periods.
- Advised to Formulate accordingly.

Safety

The product is produced in conformity with EU Directives 837/2007 and 889/2008 and is therefore permitted for ecological growing.



Why choose Aminocore?

- ✓ Premium-quality inputs from pharma-heritage technology
- ✓ *Differentiation*: Unique immune metabolites and bioactivity unmatched in the market
- ✓ *Cost-efficiency*: Lower application rates with higher impact
- ✓ *Scalable & reliable supply*