

# 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

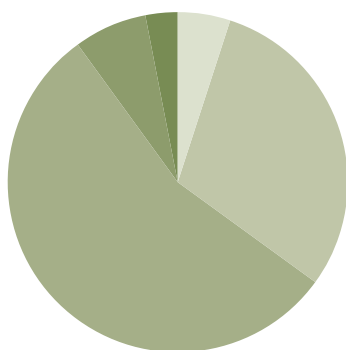
- Low process temperature preserves natural L-amino acids and bioactive compounds.
- No racemization, no unwanted by products; environmentally safe.
- Final drying step yields >95% dry matter for a stable, long lasting product.
- Fully compliant with EU Regulations 834/2007 & 889/2008.

## Content

Free L-amino acids:	> 17%
biologically active metabolites:	> 150
<ul style="list-style-type: none"><li>• Peptides</li><li>• Bile acids</li><li>• Lipids</li><li>• Nucleotides</li></ul>	<ul style="list-style-type: none"><li>• Total AAs: 23%</li><li>• Total Nitrogen (N): 4.0%</li><li>• Organic Carbon (C): 15.0%</li><li>• Organic matter: 30.0%</li></ul>

## 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



*Provides energy for plants*

## 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.

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## 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 ✓

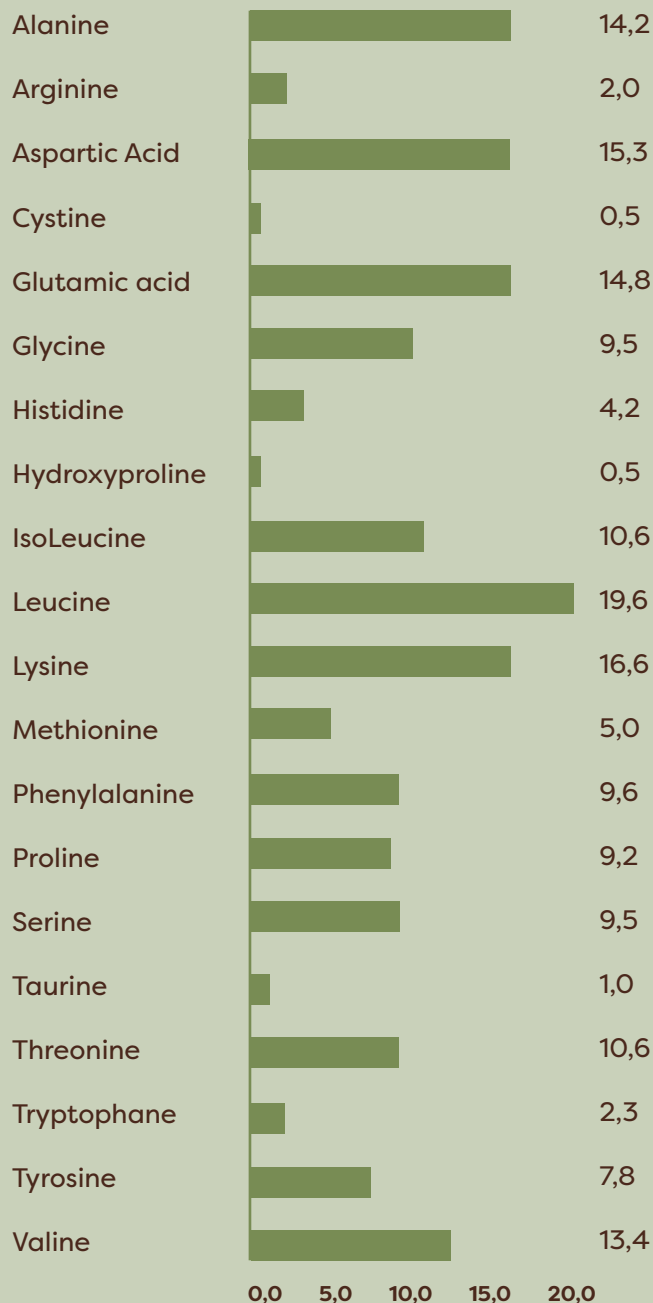
Natural form used by plants for protein synthesis and metabolism

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*