

# Aminocore pro powder

## Product description

## Datasheet

### What is it?

**Aminocore pro powder** is a L- $\alpha$ -amino acid-based product from enzymatic hydrolysis suitable for soil and foliar application. The product can also be used as an ingredient in fertilizer formulations.

### Crops:

**Aminocore pro powder** can be applied to all types of crops: leaf vegetables, fruit vegetables, strawberries, stone fruit trees, pome fruit trees, citrus, olive trees, vines, tropical fruit trees, industrial crops, field crops, etc.

### Dose:

Foliar application;  
apply **50-100g/hl H<sub>2</sub>O**  $\emptyset$  7-10 days / 4-5 times

Soil application;  
apply **0,5-1,5kg/ha**  $\emptyset$  7-10 days / 4-5 times

In the event of significant stress, the dose can be increased.

### Application time:

It is advisable to use it during periods when the crop needs a physiological stimulus, such as:

- Start of the plant's vegetative cycle, as soon as it has sufficient leaf mass
- Pre-flowering and petal-falling phase
- Fruit development

**Aminocore pro powder** is also recommended when the crop is subjected to adverse conditions (drought, cold, salinity, wind, root asphyxia, etc.) and in treatments for plant recovery following critical periods (transplants,

### Composition

Free amino acids	40,0% (w/w)
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Total amino acids	60,0% (w/w)
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Total nitrogen (N)	11,4% (w/w)
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Organic Nitrogen (N)	11,4% (w/w)
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Organic Carbon (C)	37,5% (w/w)
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Ash	11,0% (w/w)
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Chlorides (CL)	<0,5% (w/w)
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Organic matter	80,0% (w/w)
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Dry matter	95,0%
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Specific weight	0.6 kg/m <sup>3</sup>
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Appearance	Creamy beige powder
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The product contains all biologically active free amino acids: ASP, SER, GLU, GLY, HIS, ARG, THR, ALA, PRO, CIS, TYR, VAL, MET, LYS, ILE, LEU, PHE, TRP



## Free Amino Acid Profile

L- $\alpha$ -amino acid	g/kg product
Alanine	46,05
Arginine	6,55
Aspartic Acid	16,65
Cystine	0,41
Glutamine	33,22
Glycine	22,93
Histidine	13,38
Hydroxyproline	0,41
Isoleucine	23,66
Leucine	45,23
Lysine	40,13
Methionine	12,29
Phenylalanine	21,66
Proline	21,29
Serine	23,30
Taurine	2,73
Threonine	25,75
Tryptophan	4,7
Tyrosine	12,01
Valine	31,30
Above mentioned figures are indicative	

### Packaging

Polypropylene big bag: 700 kg

The big bags are placed on a wooden pallet of 100 x 120 cm.

### Storage information

When stored in its original packaging under controlled and safe conditions a shelf life of at least 12 months is guaranteed. The original product in the state in which it is delivered is hazard-free concerning the transmission of pathogens. Close package properly after the use, store in a frost-free place and avoid storage at direct sunlight!

For optimum dilution in liquid formulations mechanical mixing equipment is recommended

### Distributed by



G.T. Rietveldstraat 180  
1333 LJ Almere  
T +31 (0) 36- 84 500 68  
E info@dacam.nl



**Aminocore BV**  
 Horsterweg 24  
 6199 AC MAASTRICHT

N.C.B. Iaan 52  
 5462 GE Veghel

Postbus 107  
 5460 AC Veghel

T [+31] 413 38 26 33  
 F [+31] 413 38 21 41

info@nutricontrol.nl  
 www.nutricontrol.nl

**Customer number** : D05979

**Sample characteristics**

Sample number : M16004133001  
 Date Sample recieved : 10-3-2016  
 Productname : Aminocore powder  
 External code : 1  
 Product code customer : F068  
 Additional info : cas nr. 100085-61-8  
 Sampling date : 3-3-2016

Parameter	Method	Result	Unit
Organic matter	ANAL-10153	847	g/kg
TOC (Total Organic Carbon)	External	38,7	%
Enterobacteriaceae plate count (no confirmation)	ANAL-10215 Q G	<10	CFU/g
Enterococccen plate count	External	< 10	CFU/g
Escherichia coli	ANAL-10167	not detected	/25 g
Salmonella (PCR)	ANAL-10208 Q G	not detected	/25 g
Moisture 103°C (4 hrs)	ANAL-10032 Q G	49	g/kg
Crude Protein (N = 6,25)	ANAL-10005 Q G	722	g/kg
Crude Ash (550°C)	ANAL-10028 Q G	105	g/kg
<b>Amino acids</b>			
Alanine	ANAL-10018 Q G	60,8	g/kg
Arginine	ANAL-10018 Q G	19,1	g/kg
Aspartic acid	ANAL-10018 Q G	38,8	g/kg
Cysteine	ANAL-10018 Q G	6,9	g/kg
Glutamic acid	ANAL-10018 Q G	81,0	g/kg
Glycine	ANAL-10018 Q G	50,8	g/kg
Histidine	ANAL-10018 Q G	17,7	g/kg
Hydroxyproline	ANAL-10018 Q G	6,2	g/kg
iso-Leucine	ANAL-10018 Q G	31,6	g/kg
Leucine	ANAL-10018 Q G	60,1	g/kg
Lysine	ANAL-10018 Q G	60,3	g/kg
Methionine	ANAL-10018 Q G	16,1	g/kg
Phenylalanine	ANAL-10018 Q G	30,1	g/kg
Proline	ANAL-10018 Q G	41,4	g/kg
Serine	ANAL-10018 Q G	31,7	g/kg
Threonine	ANAL-10018 Q G	36,2	g/kg
Tyrosine	ANAL-10018 Q G	18,3	g/kg
Valine	ANAL-10018 Q G	43,6	g/kg
Tryptophan	ANAL-10017 Q G	8,54	g/kg
<b>free Amino acids</b>			

Q = accredited by RvA (certificate L053), (Q' by given certificate number), G = certified according to GMP+, QS = approved by QS, Extern = subcontracted.  
 \* = indicative value, \*\* = analyses not started within required time frame, \*\*\* = micro organisms present, \*\*\*\* = sample date missing

The analysis is performed in the period between the date of sample receipt at NutriControl and the date of reporting. Microbiological analysis of perishable products is started within 24 hours of samples receipt, unless otherwise stated. The analytical results are valid for the delivered sample material only. Information about measurement uncertainty can be delivered on request. General terms and conditions apply to all services and the supply of goods and products. These can be found on [www.nutricontrol.nl](http://www.nutricontrol.nl).  
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free Alanine	ANAL-10019	Q	G	50,6	g/kg
free Arginine	ANAL-10019	Q	G	7,2	g/kg
free Asparatic acid	ANAL-10019	Q	G	18,3	g/kg
free Cysteine	ANAL-10019	Q	G	0,5	g/kg
free Glutamic acid	ANAL-10019	Q	G	36,5	g/kg
free Glycine	ANAL-10019	Q	G	25,2	g/kg
free Histidine	ANAL-10019	Q	G	14,7	g/kg
free Hydroxyproline	ANAL-10019	Q	G	0,5	g/kg
free iso-Leucine	ANAL-10019	Q	G	26,0	g/kg
free Leucine	ANAL-10019	Q	G	49,7	g/kg
free Lysine	ANAL-10019	Q	G	44,1	g/kg
free Methionine	ANAL-10019	Q	G	13,5	g/kg
free Phenylalanine	ANAL-10019	Q	G	23,8	g/kg
free Proline	ANAL-10019	Q	G	23,4	g/kg
free Serine	ANAL-10019	Q	G	25,6	g/kg
free Taurine	ANAL-10019	Q	G	3,0	g/kg
free Threonine	ANAL-10019	Q	G	28,3	g/kg
free Tyrosine	ANAL-10019	Q	G	13,2	g/kg
free Valine	ANAL-10019	Q	G	34,4	g/kg
free Tryptophan	ANAL-10017	Q	G	5,17	g/kg
Sodium	ANAL-10040	Q	G	30,5	g/kg
Chloride	ANAL-10008	Q	G	2,0	g/kg
Arsenic (As)	ANAL-10222	Q	G	QS	<1,000 mg/kg
Cadmium (Cd)	ANAL-10222	Q	G	QS	0,105 mg/kg
Mercury	ANAL-10222	Q	G	QS	<0,100 mg/kg
Lead	ANAL-10222	Q	G	QS	<2,000 mg/kg

Veghel, 31 maart 2016



Manager Analytical Services  
H.J.M. Lamers

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