

# Aminocore Complex Liquid

## Product description

### What is it?

**Aminocore complex** is a short chain peptides and L- $\alpha$ -amino acid-based product from enzymatic hydrolysis for foliar application. The product contains a high concentration of free amino acids, fulvic acids and plant extracts

### Crops:

**Aminocore complex** 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:

Apply 2 to 4 sprays at 2-3 mL/L or 2-3 L/ha. In the event of significant stress, the dose or frequency can be increased.

### Application time:

It is advisable to use the product 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
- Flower initiation, pre-flowering and petal-falling phase
- Fruit development

**Aminocore complex** is also recommended for use when the crop is subjected to adverse conditions (drought, cold, salinity, wind, root asphyxia, etc.) and for plant recovery following critical periods (transplanting, damage due to frost, hail, wind, etc.).

## Datasheet

### Composition

Free L- $\alpha$ -amino acids	15% (w/w)
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Total amino acids	22% (w/w)
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Total nitrogen (N)	3,7% (w/w)
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Organic Nitrogen (N)	3,7% (w/w)
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Organic Carbon (C)	15% (w/w)
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Fulvic acids	3% (w/w)
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Herbal extract	15% (w/w)
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Ash	4,2 % (w/w)
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Chlorides (CL)	0,1% (w/w)
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Organic matter	25% (w/w)
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Dry matter	>35%
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Specific weight	1150 kg/m <sup>3</sup>
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pH	5,8
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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	11,28
Arginine	4,64
Aspartic Acid	11,04
Cystine	0,4
Glutamine	13,28
Glycine	7,52
Histidine	4,72
Hydroxyproline	0,35
Isoleucine	8,48
Leucine	16,64
Lysine	14,16
Methionine	4,4
Phenylalanine	7,76
Proline	8,56
Serine	8,56
Taurine	0,88
Threonine	9,5
Tryptophan	1,8
Tyrosine	7,04
Valine	10,88

Above mentioned figures are indicative and can vary slightly per bath

### Packaging

IBC: 1000 l  
CANNISTER: 20 l

### Storage information

Product is stable when stored under normal undiluted conditions. 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!

Shake well before use.

### Distributed by



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# Aminocore Complex Liquid

Cultures	Consumption rate	Time of application (spray or drench)	Biological effectiveness
Vegetables & small fruits	2-3 ml/liter 2-3 liter/ha	When transplanting the seedlings or 1-2 days after planting, repeat after 7 days. Then every 15-20 days prior to fruiting.	Increased flowering and fruit setting as well as early production of uniform crops
Top Fruits	2-3 ml/liter 2-3 liter/ha	Every 15-20 days prior to fruiting.	Increases flower setting, calibre and weight, while improving the absorption of deficiency correctors
Cereals-Rape	2-3 ml/liter 2-3 liter/ha	Apply at important growth stages like booting and flower set and before/at stress moments.	Makes cereals more resistant to extreme temperatures and drought, enhances growth in spring and increases the effectiveness of pesticide treatments
Potatoes	3 ml/liter 3 liter/ha	Start treatment when the plants reach a height of 15 cm and repeat every 20-25 days.	Increases productivity. Formation of tubers of similar size.
Seedlings	1-2 ml/liter 1-2 liter/ha	Every 14 days until the planting in a greenhouse or the open ground	More sustainable and healthier plants, better root development.
Forage-prairies	2-3 ml/liter 2-3 liter/ha	Every 3-4 weeks	Shortens growth cycles, helps roots recovery and increases biomass
Ornamental plants & flowers	2.0 ml/liter 2 liter /ha	Apply every 2 <sup>nd</sup> week.	Increases sturdiness and improves leaf and flower colour
Citrus	2-3 ml/liter 2-3 liter/ha	During flowering and once repeated after flowering. Also apply at the beginning of fruit growth.	Stimulates flower fertilization, increases the percentage of fruit set and more uniform fruit
Olives	2-3 ml/liter 2-3 liter/ha	During flowering and once repeated after flowering. Also apply at the beginning of fruit growth.	Stimulates setting and increases oil yield and reduces acidity
Tropical plantations	2-3 ml/liter 2-3 liter/ha	Each 4 weeks	Improves development and prevents crop loss due to increased stress resistance
Grapes	2-3 ml/liter 2-3 liter/ha	During flowering and once repeated after flowering. Also apply at the beginning of fruit growth.	Increases setting and raises the sugar content and gape colour and uniformity
Home growers	Spray application 1-3 ml/liter Drench application 0,2-1ml/liter	Combine application with standard nutrition up to 1 week before the end of the flowering stage	Stimulates the production of leaf green and therefore the formation of resin and crystals resulting in an improved flavor, taste and efficacy



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**Aminocore BV**  
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**Customer number** : D05979

### Sample characteristics

Sample number : M1600449898  
Date Sample recieved : 05-04-2016  
Productname : Aminocore complex  
External code : 1  
Product code customer : F0123  
Lot/batch/charge number : Cas nr. 100085-61-8  
Sampling date : 08-04-2016

Parameter	Method	Result	Unit
Moisture 103°C (4 hrs)	ANAL-10032 Q G	671	g/kg
Crude Protein (N = 6,25)	ANAL-10005 Q G	241	g/kg
Crude Ash (550°C)	ANAL-10028 Q G	48	g/kg
Organic matter	ANAL-10153	281	g/kg
<b><u>Amino acids</u></b>			
Alanine	ANAL-10018 Q G	14,9	g/kg
Arginine	ANAL-10018 Q G	9,6	g/kg
Aspartic acid	ANAL-10018 Q G	19,3	g/kg
Cysteine	ANAL-10018 Q G	2,5	g/kg
Glutamic acid	ANAL-10018 Q G	28,0	g/kg
Glycine	ANAL-10018 Q G	16,0	g/kg
Histidine	ANAL-10018 Q G	5,2	g/kg
Hydroxyproline	ANAL-10018 Q G	1,6	g/kg
iso-Leucine	ANAL-10018 Q G	11,2	g/kg
Leucine	ANAL-10018 Q G	21,9	g/kg
Lysine	ANAL-10018 Q G	19,6	g/kg
Methionine	ANAL-10018 Q G	5,6	g/kg
Phenylalanine	ANAL-10018 Q G	10,2	g/kg
Proline	ANAL-10018 Q G	12,2	g/kg
Serine	ANAL-10018 Q G	11,4	g/kg
Threonine	ANAL-10018 Q G	12,0	g/kg
Tyrosine	ANAL-10018 Q G	9,0	g/kg
Valine	ANAL-10018 Q G	14,6	g/kg
Tryptophan	ANAL-10017 Q G	2,81	g/kg
<b><u>free Amino acids</u></b>			
free Alanine	ANAL-10019 Q G	11,3	g/kg
free Arginine	ANAL-10019 Q G	4,5	g/kg
free Asparatic acid	ANAL-10019 Q G	9,6	g/kg
free Cysteine	ANAL-10019 Q G	<0,5	g/kg
free Glutamic acid	ANAL-10019 Q G	12,0	g/kg
free Glycine	ANAL-10019 Q G	7,3	g/kg

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.

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free Histidine	ANAL-10019	Q	G	4,2	g/kg
free Hydroxyproline	ANAL-10019	Q	G	0,5	g/kg
free iso-Leucine	ANAL-10019	Q	G	8,8	g/kg
free Leucine	ANAL-10019	Q	G	17,5	g/kg
free Lysine	ANAL-10019	Q	G	13,0	g/kg
free Methionine	ANAL-10019	Q	G	4,5	g/kg
free Phenylalanine	ANAL-10019	Q	G	7,7	g/kg
free Proline	ANAL-10019	Q	G	7,3	g/kg
free Serine	ANAL-10019	Q	G	8,4	g/kg
free Taurine	ANAL-10019	Q	G	1,0	g/kg
free Threonine	ANAL-10019	Q	G	8,9	g/kg
free Tyrosine	ANAL-10019	Q	G	7,0	g/kg
free Valine	ANAL-10019	Q	G	11,2	g/kg
free Tryptophan	ANAL-10017	Q	G	2,30	g/kg
Sodium	ANAL-10040	Q	G	15,4	g/kg
Chloride	ANAL-10008	Q	G	0,4	g/kg
Arsenic (As)	ANAL-10222	Q	G QS	<1,000	mg/kg
Cadmium (Cd)	ANAL-10222	Q	G QS	<0,100	mg/kg
Mercury	ANAL-10222	Q	G QS	<0,100	mg/kg
Lead	ANAL-10222	Q	G QS	<2,000	mg/kg
TOC (Total Organic Carbon)	External			14	%
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

Veghel, 12 april 2016



Manager Analytical Services  
H.J.M. Lamers

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