ILSAC-ON

1. Product information

Regulatory Framework	**Specific action products - Biostimulants - Enzymatic hydrolyzate of Fabaceae** pursuant to Legislative Decree of 29th April 2019, n.75. ALLOWED IN ORGANIC FARMING according to Reg. (UE) 2018/848.
Product description	**ILSAC-ON** is an innovative natural biostimulant, 100% of plant origin, obtained by enzymatically hydrolyzing Fabaceae tissues**. ILSAC-ON** contains triacontanol of natural origin (soluble and available for plants), phenolic compounds, vitamins, vegetable amino acids and other natural compounds with a biostimulating action.
Functional properties	**ILSAC-ON** acts as a natural "hormone-like" action product and is characterized by intense biological activity. Stimulates plant metabolism and reduces the negative influence of abiotic stress; it allows to increase yield and final quality of crops, thanks to the stimulation of vegetative development, flowering and fruit set and qualitative characteristics, such as sugar content, oil yield, reduction of the accumulation of nitrates in plant tissues.
Indications for use	**ILSAC-ON** must be applied, by foliar application and at low dosages, in the periods of greatest vegetative activity. Starting from the early vegetative stages, **ILSAC-ON** stimulates photosynthetic efficiency and vegetative development. **ILSAC-ON** can also be applied during flowering, increasing the fruit set percentage, and during fruit development, improving their organoleptic characteristics and shelf-life. Its wide spectrum of action and its perfect miscibility with other commercial formulations allow the application of **ILSAC-ON** on all crops and also during pesticide treatments.
Packaging	1 kg – 5 kg
Physical state-Appearance	Liquid – Brown

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2. Analysis

Parameter	Value	Tollerance
Chemical parameters:		
Total aminoacids	**≥ 5.0%**	-
Free aminoacids	**≥ 1,5%**	-
Hydrolysis degree	**≥ 30,0%**	-
Triacontanol of natural origin	**> 6 mg/kg**	-
Dry matter	**30.0 - 38.0%**	-
Organic matter	**21.0 – 25.0%**	-
Ash	**6.0 – 9.0%**	-
Chlorides (Cl^-)	**0.6 – 0.8%**	-
Physical parameters		
Electrical conductivity 1:100 (dS/m)	**1.20 – 1.80**	-
Density (kg/dm^3)	**1.14**	**± 0.02**
pH	**4.5 – 5.5**	-
Mw protein component (g/mol)	**7096**	**± 400**

3. Microbiological analysis

Parameter	Value	Method of analysis
Enterobacteriacee (UFC/g)	< 10	ISO 21528-2 2004
Salmonella spp.	Absent in 25g	UNI EN ISO 6579-1:2017
Aerobic biodegradability	Biodegradable	OECD 310:2014

4. Warnings

Storage	Store in a cool, dry place, away from children, sunlight and heat sources. Once opened keep in original container closed tightly. Keep containers upright and safe by avoiding the possibility of falls or collisions.
Handling /Hazard identification	Shake well before use. When used in conjunction with other agricultural products, adhere to all label requirements mentioned in technical data sheet and in the label.

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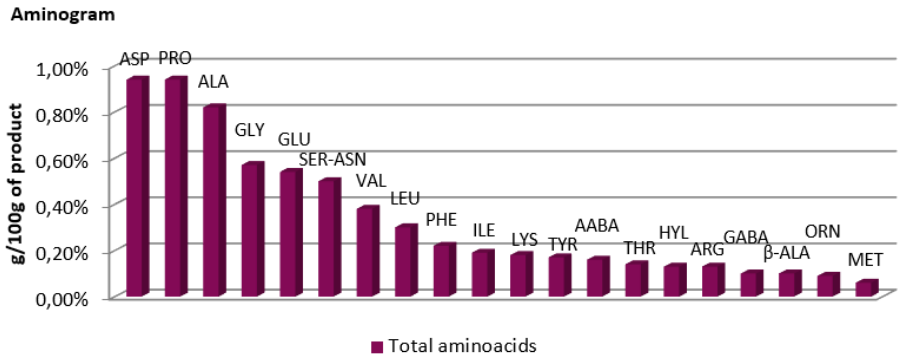
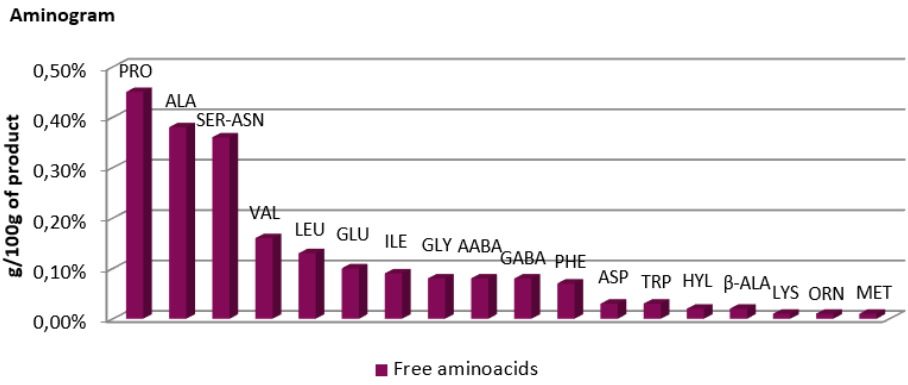
5. Aminogram

Analysis method	Analysis performed by HPLC. The data reported here are the best of our knowledge, but are not intended as product specifications.



	Total Aminoacids % w/w	Symbol
Aspartic Acid	0,94	ASP
Proline	0,94	PRO
Alanine	0,82	ALA
Glycine	0,57	GLY
Glutamic acid	0,54	GLU
Serine + Asparagine	0,50	SER-ASN
Valine	0,38	VAL
Leucine	0,30	LEU
Phenylalanine	0,22	PHE
Isoleucine	0,19	ILE
Lysine	0,18	LYS
Tyrosine	0,17	TYR
α-aminobutyric acid	0,16	AABA
Threonine	0,14	THR
Hydroxylysine	0,13	HYL
Arginine	0,13	ARG
γ-aminobutyric acid	0,10	GABA
β-Alanine	0,10	β-ALA
Ornithine	0,09	ORN
Methionine	0,06	MET
TOTAL	6,66	



	Free Aminoacids % w/w	Symbol
Proline	0,45	PRO
Alanine	0,38	ALA
Serine + Asparagine	0,36	SER-ASN
Valine	0,16	VAL
Leucine	0,13	LEU
Glutamic acid	0,10	GLU
Isoleucine	0,09	ILE
Glycine	0,08	GLY
α-aminobutyric acid	0,08	AABA
γ-aminobutyric acid	0,08	GABA
Phenylalanine	0,07	PHE
Aspartic Acid	0,03	ASP
Tryptophan	0,03	TRP
Hydroxylysine	0,02	HYL
β-Alanine	0,02	β-ALA
Lysine	0,01	LYS
Ornithine	0,01	ORN
Methionine	0,01	MET
TOTALE	2,11	

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6. Precautionary statement

Before using this product, read the Information Safety Data Sheet.

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