FERTINAGRO BIOTECH

AGRISTART MAGNUM

Analysis certificate

FERTINAGRO BIOTECH, S.L. CERTIFIES: That, having analyzed a sample of the product called, AGRISTART MAGNUM, the following results have been obtained:

Determination	% w/w	Analysis method
Total Nitrogen (N)	10%	Sulfuric acid digestion. Kjeldahl distillation.
Ammoniacal Nitrogen (N)	10%	Direct distillation.
Phosphorus pentoxide (P205) soluble in neutral ammonium citrate and water	48%	Sol. in neutral ammonium citrate and water. Gravimetry
Water-soluble Phosphorus pentoxide (P205)	46%	Water-soluble. Gravimetry.
Total Zinc (Zn)	1%	Acid digestion. Atomic absorption spectroscopy

The results refer only to the objects under test.

This certificate must not be partially reproduced without the written authorization of the laboratory.

Signed

Quality Department Fertinagro Biotech

06/07/2021

Communication regarding Expiry date of products:

Dear Messrs.,

The following products and batch numbers:

AGRISTART MAGNUM 25KG, with Batch number: EVS-TER-002282#00IT1500-ffe.

Have the expiry date of January 2024, while the products are stored and maintained under its required conditions.

FERTINAGRO BIOTECH, S.L.
CIF B 44 180 941
Pol. Ind. La Paz, parcela 185
44195 TERUEL

Fdo: Export Department
03/11/2021

DOCUMENT FOR SAFE USE

This document is provided for information because the product is not dangerous and does not require safety data sheet

FERTINAGRO BIOTECH

Edition date: 14/06/2007

Edition: 02

Revision date: 22/10/2013

Revision: 04

1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING	
1.1	**Identification of thepreparation**	**AGRISTART MAGNUM**
	Trade name	NPK
	Fertilizer formula	Mixture
	Product type	Mineral Fertilizer
	CAS number	N/A
	EC number	N/A
1.2	**Use of the substance/preparation**	Mineral fertilizer
1.3	**Company/undertaking identification**	FERTINAGRO BIOTECH, S.L.
	Company adress	Pol. Ind. La Paz, 185 C/Berlín Parcela 185 C.P. 44195 Teruel 0034
	Company telephone	9788 61 80 70
	e-mail address of person responsible for this DSU	inforeach@fertinagro.es
	Emergency telephone number	978 618 070 (From Monday to friday 9:00-14:00 and 16:00-19:00)

2	HAZARDS IDENTIFICATION				
2.1	**Classification**	According with 1999/45/CE Directive (DSD): No classificated According with 1272/2008 [CLP]: No classificated			
2.2	**Labelling elements**	**Pictograms**	**Warning word**	**Hazards**	**Safety advice**
		-	-	-	P102 y P270
2.3	**Other hazards**	Not PBT or mPmB			

3	COMPOSITION/INFORMATION ON INGREDIENTS
3.1	Mixture
	The compounds that make up this product are not considered hazardous once the process of manufacturing the product.

4	FIRST AID MEASURES	
4.1	**First aid measures desccription**	
	Eye contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.
	Skin contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.
	Inhalation	In case of inhalation of gases produced by combustion, provide the individual with fresh air and if symptoms persist, seek medical.
	Ingestion	The product is not considered harmful if swallowed. Keep the patient calm and for safety Seek medical attention, showing the composition of the product.

5	FIRE-FIGHTING MEASURES	
5.1	**Extinguishing media**	In case of fire call the fire department and the relevant authorities. If fire occurs in a closed, open doors and windows for maximum ventilation. Keep containers cooled with water.
	Suitable	Use water to extinguish fire
	Not suitable	N/D
5.2	**Special exposure hazards**	In case of fire may produce toxic gases.
	Hazardous thermal decomposition products	None known.
5.3	**Specific methods to combat fire**	
	Special protective equipment for fire-fighters	Due to the formation of toxic gases is advisable to use a respirator with a combined filter.

6	ACCIDENTAL RELEASE MEASURES	
6.1	**Personal precautions**	N/A
6.2	**Environmental precautions**	Use the amounts per hectare indicads on the label or container. Prevent the product dissolves in water and that this comes to the sewer system. If you can not be avoided and the product arrived the sewer, inform the relevant authorities of the place and time that has been the incident.
6.3	**Methods for cleaning up**	Collect the product by mechanically

7	HANDLING AND STORAGE	
7.1	**Safety Handling Measures**	No special precautions necessary when handling the product but we recommend wash after handling.
7.2	**Storage Conditions and incompatibilities**	It is advisable that the product is stored in a covered, cool and dry. Store the product in places only to this product. Keep away from sources of ignition or heat sources.
	Packaging materials recommended	Use original container
7.3	**Specific final uses**	Fertilizer

8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	**Exposure Limit Values**	Not avaliable
8.2	**Occupational exposure limits**	
	Recommended monitoring procedures	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
	Occupational exposure controls	
	Respiratory protection	Recommended: Good ventilation. In case of fire, use a respirator with a combined filter.
	Hand protection	Recommended: Use gloves.
	Eye protection	Recommended: Safety glasses.
	Skin protection	It is advisable to use specific clothing only for work. Wash after handling.
	Hygiene measures	Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.
	Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

9	PHYSICAL AND CHEMICAL PROPERTIES	
9.1	**Information on basic physical and chemical properties**	
	Aspect	Solid
	Color	Various colours
	Odour	-
	Molecular weight	N/D
	pH	-
	Boiling point	N/D
	Point / melting range	N/D
	Flashpoint	N/D
	Inflammability	N/D
	Explosive properties	N/D
	Auto-ignition temperature	N/D
	Oxidizing properties	N/D
	Relative density	N/D
	Vapor pressure at 20 ° C	N/D
	Vapor Density	N/D
	Partition coefficient	N/D
	Viscosity	N/D
	Solubility in water	N/D

10	STABILITY AND REACTIVITY	
10.1	**Reactivity**	
10.2	**Chemical Stability**	The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.3	**Possibility of hazardous reactions**	There are no known materials to avoid or dangerous reaction to this product.
10.4	**Conditions to avoid**	Prevent the product comes into contact with ignition sources or heat sources.
10.5	**Incompatible materials**	Unknown
10.6	**Hazardous decomposition products**	In case of combustion may form toxic gases.

11	TOXICOLOGICAL INFORMATION
11.1	**Information on toxicological effects**
	Potential acute health effects
	Oral LD50 Rat: Higher 2500mg/Kg. According to tests the product is considered non-harmful if swallowed.
	Corrosion / Dermal irritation
	According to tests, there are no erythema, eschar or edema in laboratory animals, so the product can be considered as non-irritating to the skin.
	Injury / serious eye irritation
	According to tests, there are no eye damage in laboratory animals, so the product can be considered as non-irritating to the eyes.
	Respiratory or skin sensitization
	Inhalation is not considered as a possible route of exposure.

12	ECOLOGIC INFORMATION	
	Toxicity	
12.1	**Acuatic toxicity**	N/E
12.2	**Persistence and degradability**	N/E
12.3	**Bioaccumulative potential**	N/E
12.4	**Soil mobility**	N/E
12.5	**Results of valoration PBT/mPmB**	N/E
12.6	**Other adverse effects**	N/E

13	DISPOSAL CONSIDERATIONS	
13.1	**Methods of disposal**	Use mechanical means. Do not remove the product diluting in water or throwing it into the sewer system. Follow local instructions and rules governing the disposal of waste.

14	TRANSPORT INFORMATION						
14.1	**Regulation information**	**ONU Number**	**Transport name**	**Class**	**Packing group**	**Environment danger**	**Special precautions for users**
	Not restricted	-	-	-	-	-	-

15	REGULATORY INFORMATION	
	The consumer is responsible for well known national and local regulations	
15.1	**EU regulations**	Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.
15.2	**Chemical Safety Report**	N/A

16	OTHER INFORMATION	
	Safety advice (CLP)	P102: Keep out of reach of children P270: Do not eat, drink or smoke during use
	Adecuate training for workers	Mandatory training on Occupational Risk Prevention
	Abbreviatures and acronyms	N/A: Not applicable; N/E: Not evaluated
	Changes to the current review	REACH adaptation and Regulation 453/2010

The information contained in this Document is given in good faith and belief in its accuracy, based on available knowledge about the product at the time of publication. Does not imply acceptance of any obligation or liability by the Company for the consequences of their use or misuse in any particular circumstances.

FERTINAGRO BIOTECH

TECHNICAL SHEET EXCLUSIVELY
COMMERCIAL USE

AGRISTART COMPLET

Denomination type:

EC FERTILIZER. FERTILIZER NPK (S) 12-30-8 (15) WITH ZINC (Zn)
Group B.1.1.1 (R. CE nº 2003/2003)

Declared Content:

Total Nitrogen (N).....12%
Phosphorus pentoxide (P2O5)sol in neutral ammonium citrate and water..30%
Potassium Oxide (K2O) sol in water.....8%
Total Zinc (Zn).....0.3%
Poor in chlorine

Physical characteristics:

Density 1 ± 0.5 gr/cm3
Granulometry: 98% between 1 y 1.5 mm.
Microgranular fertilizer. Green Colour

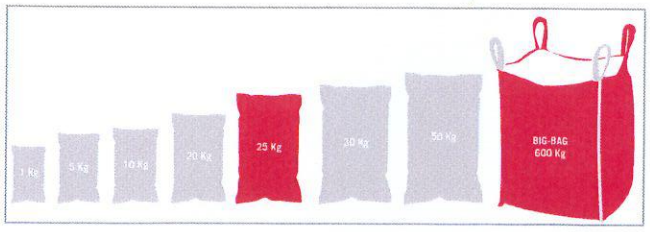
Information area:

Dose and method of application: Microgranular fertilizer. Preferably used as a basic fertilizer or initiation, in all types of crops, applying it by sowing machines at the time of sowing and using the appropriate doses. For more information, consult our Technical Department.

Storage and handling instructions:
- Stay protected from the sun and humidity. To avoid absorption of environmental moisture from the fertilizer that causes the deterioration of the surface layer, in bulk warehouses, it is recommended to cover it preferably with plastic or other insulating material, while not being shipped.

Prudence and risk advice:
P102 Keep out of the reach of children.
P270 Do not eat, drink or smoke during use.
The person in charge of the delivery of the waste of the container or container used, for its correct environmental management, will be the final possessor.
(Art. 18.1 of the Regulation for the development and execution of Law 11/97 on Containers and Packaging Waste)
To guarantee the best information to the consumer, please make sure that the label of the present product is readable at the time of its sale. Otherwise advise the manufacturer to send replacement labels.

Presentation



Technologies:

FERTINAGRO BIOTECH, S.L.
Tervalis Group
Polígono Industrial La Paz, C/ Berlín parcela 185 CP 44195 Teruel (Spain)- Tel:978618070 - Fax:978618070 -

Email:info@fertinagro.es / www.fertinagrobiotech.com /

FERTINAGRO BIOTECH

TERVALIS

CERTIFICATE OF ANALYSIS

FERTINAGRO BIOTECH S.L.

CERTIFY that: AFTER having analyzed a sample of the product called, **AGRISTART COMPLET** , the following results have been obtained:

DENOMINATION	%w/w	METHODS OF ANALYSIS
Total Nitrogen (N)	12	Sulfuric acid digestion. Kjeldahl distillation.
Ureic Nitrogen (N)	5	Sulfuric acid digestion. Kjeldahl distillation.
Ammoniacal Nitrogen (N).....	7	Direct distillation.
Phosphorus pentoxide (P205) soluble in neutral ammonium citrate and water.	30	Sol. in neutral ammonium citrate and water.
Water-soluble Phosphorus pentoxide (P205)	28	Gravimetry. Water-soluble.
Water-soluble Potassium Oxide (K2O)	8	Water solubility. Atomic absorption spectroscopy
Water-soluble Sulphur trioxide (S03)	15	Gravimetry. Water-soluble.
Total Zinc (Zn)	0,3	Acid digestion. Atomic absorption spectroscopy

Quality departament
02/11/2017

The results refer only to the objects tested.
This certificate may not be reproduced without the written permission of the laboratory.

FERTINAGRO BIOTECH S.L.
Pol. Industrial la Paz, Parcela 185 Tel.
978-618070 Fax 978-978-609975
44195 Teruel

DOCUMENT FOR SAFE USE

This document is provided for information because the product is not dangerous and does not require safety data sheet

FERTINAGRO

Edition date: 14/06/2007

Edition: 02

Revision date: 22/10/2013

Revision: 04

1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING	
1.1	**Identification of thepreparation**	**AGRISTART COMPLET**
	Trade name	NPK
	Fertilizer formula	Mixture
	Product type	Mineral Fertilizer
	CAS number	N/A
	EC number	N/A
1.2	**Use of the substance/preparation**	Mineral fertilizer
1.3	**Company/undertaking identification**	FERTINAGRO NUTRIENTES, S.L.
	Company adress	Pol. Ind. La Paz, 185 C/Berlín Parcela 185 C.P. 44195 Teruel
	Company telephone	0034 9788 61 80 70
	e-mail address of person responsible for this DSU	inforeach@fertinagro.es
	Emergency telephone number	978 618 070 (From Monday to friday 9:00-14:00 and 16:00-19:00)

2	HAZARDS IDENTIFICATION				
2.1	**Classification**	According with 1999/45/CE Directive (DSD): No classificated According with 1272/2008 [CLP]: No classificated			
2.2	**Labelling elements**	**Pictograms**	**Warning word**	**Hazards**	**Safety advice**
		-	-	-	P102 y P270
2.3	**Other hazards**	Not PBT or mPmB			

3	COMPOSITION/INFORMATION ON INGREDIENTS
3.1	Mixture
	The compounds that make up this product are not considered hazardous once the process of manufacturing the product.

4	FIRST AID MEASURES	
4.1	**First aid measures desccription**	
	Eye contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.
	Skin contact	Wash thoroughly with water. If in any case had symptoms persist over time, see a doctor.
	Inhalation	In case of inhalation of gases produced by combustion, provide the individual with fresh air and if symptoms persist, seek medical.
	Ingestion	The product is not considered harmful if swallowed. Keep the patient calm and for safety Seek medical attention, showing the composition of the product.

5	FIRE-FIGHTING MEASURES	
5.1	**Extinguishing media**	In case of fire call the fire department and the relevant authorities. If fire occurs in a closed, open doors and windows for maximum ventilation. Keep containers cooled with water.
	Suitable	Use water to extinguish fire
	Not suitable	N/D
5.2	**Special exposure hazards**	In case of fire may produce toxic gases.
	Hazardous thermal decomposition products	None known.
5.3	**Specific methods to combat fire**	
	Special protective equipment for fire-fighters	Due to the formation of toxic gases is advisable to use a respirator with a combined filter.

6	ACCIDENTAL RELEASE MEASURES	
6.1	**Personal precautions**	N/A
6.2	**Environmental precautions**	Use the amounts per hectare indicads on the label or container. Prevent the product dissolves in water and that this comes to the sewer system. If you can not be avoided and the product arrived the sewer, inform the relevant authorities of the place and time that has been the incident.
6.3	**Methods for cleaning up**	Collect the product by mechanically

7	HANDLING AND STORAGE	
7.1	**Safety Handling Measures**	No special precautions necessary when handling the product but we recommend wash after handling.
7.2	**Storage Conditions and incompatibilities**	It is advisable that the product is stored in a covered, cool and dry. Store the product in places only to this product. Keep away from sources of ignition or heat sources.
	Packaging materials recommended	Use original container
7.3	**Specific final uses**	Fertilizer

8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	**Exposure Limit Values**	Not avaliable
8.2	**Occupational exposure limits**	
	Recommended monitoring procedures	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
	Occupational exposure controls	
	Respiratory protection	Recommended: Good ventilation. In case of fire, use a respirator with a combined filter.
	Hand protection	Recommended: Use gloves.
	Eye protection	Recommended: Safety glasses.
	Skin protection	It is advisable to use specific clothing only for work. Wash after handling.
	Hygiene measures	Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.
	Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

9	PHYSICAL AND CHEMICAL PROPERTIES	
9.1	**Information on basic physical and chemical properties**	
	Aspect	Solid
	Color	Various colours
	Odour	-
	Molecular weight	N/D
	pH	-
	Boiling point	N/D
	Point / melting range	N/D
	Flashpoint	N/D
	Inflammability	N/D
	Explosive properties	N/D
	Auto-ignition temperature	N/D
	Oxidizing properties	N/D
	Relative density	N/D
	Vapor pressure at 20 ° C	N/D
	Vapor Density	N/D
	Partition coefficient	N/D
	Viscosity	N/D
	Solubility in water	N/D

10	STABILITY AND REACTIVITY	
10.1	**Reactivity**	
10.2	**Chemical Stability**	The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.3	**Possibility of hazardous reactions**	There are no known materials to avoid or dangerous reaction to this product.
10.4	**Conditions to avoid**	Prevent the product comes into contact with ignition sources or heat sources.
10.5	**Incompatible materials**	Unknown
10.6	**Hazardous decomposition products**	In case of combustion may form toxic gases.

11	TOXICOLOGICAL INFORMATION
11.1	**Information on toxicological effects**
	Potential acute health effects
	Oral LD50 Rat: Higher 2500mg/Kg. According to tests the product is considered non-harmful if swallowed.
	Corrosion / Dermal irritation
	According to tests, there are no erythema, eschar or edema in laboratory animals, so the product can be considered as non-irritating to the skin.
	Injury / serious eye irritation
	According to tests, there are no eye damage in laboratory animals, so the product can be considered as non-irritating to the eyes.
	Respiratory or skin sensitization
	Inhalation is not considered as a possible route of exposure.

12	ECOLOGIC INFORMATION	
	Toxicity	
12.1	**Acuatic toxicity**	N/E
12.2	**Persistence and degradability**	N/E
12.3	**Bioaccumulative potential**	N/E
12.4	**Soil mobility**	N/E
12.5	**Results of valoration PBT/mPmB**	N/E
12.6	**Other adverse effects**	N/E

13	DISPOSAL CONSIDERATIONS	
13.1	**Methods of disposal**	Use mechanical means. Do not remove the product diluting in water or throwing it into the sewer system. Follow local instructions and rules governing the disposal of waste.

14	TRANSPORT INFORMATION						
14.1	**Regulation information**	**ONU Number**	**Transport name**	**Class**	**Packing group**	**Environment danger**	**Special precautions for users**
	Not restricted	-	-	-	-	-	-

15	REGULATORY INFORMATION	
	The consumer is responsible for well known national and local regulations	
15.1	**EU regulations**	Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.
15.2	**Chemical Safety Report**	N/A

16	OTHER INFORMATION	
	Safety advice (CLP)	P102: Keep out of reach of children P270: Do not eat, drink or smoke during use
	Adecuate training for workers	Mandatory training on Occupational Risk Prevention
	Abbreviatures and acronyms	N/A: Not applicable; N/E: Not evaluated
	Changes to the current review	REACH adaptation and Regulation 453/2010

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