

An aerial photograph of a vast agricultural landscape. The image shows a patchwork of fields in various stages of growth and harvest. In the foreground, there are rows of young corn plants in vibrant green. To the right, a larger field of mature corn is a golden-brown color. In the middle ground, a white truck is driving on a dirt road through a field. The background features more fields, some with taller crops like soybeans, and a utility pole with power lines. The overall scene is a typical representation of a large-scale farming operation.

FertiUSA Fertilizers Catalog



FertiUSA LLC
 info@fertiusa.com
 www.fertiusa.com

DAP

Family: **FERTILIZERS**

1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	18% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	46% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 Water Soluble	43% Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	18% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	46% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 Water Soluble	43% Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	NF EN 12948
< 0,5 mm	1% Max	NF EN 12948

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	18% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	46% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 SE	43% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	11% Min	-	ISO 5314
Water and Citrate Soluble (P2O5)	52% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 Water Soluble	50% Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397
< 0,5 mm	1% Max	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	10% Min	-	ISO 5314
%P2O5 (Water and Citrate soluble)	46% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	11%	"- 1,1" for negative difference per element;	ISO 5314
P2O5 Water and Citrate Soluble	22%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	16%	"- 1, 9" on the sum of the negative differences.	ISO 5310 / ISO 5318
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	11 %	“- 1,1” for negative difference per element; “- 1, 9” on the sum of the negative differences.	ISO 5314
P2O5 Water and Citrate Soluble	22 %		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	21%		ISO 5310 / ISO 5318
Sulfur (S)	5%	- 0,36	ICP
Boron trioxide (B2O3)	0,5% Min		ICP
Zinc (Zn)	0,7% Min		ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12%	"- 1,1" for negative difference per element; "- 1, 9" on the sum of the negative differences.	ISO 5314
P2O5 Water and Citrate Soluble	24%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	12%		ISO 5310 / ISO 5318
P2O5 Water Soluble	22% Min		Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	5.5%	-0,36	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12%	“- 1,1” for negative difference per element;	ISO 5314
P2O5 Water and Citrate Soluble	24%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	12%	“- 1,9” on the sum of the negative differences.	ISO 5310 / ISO 5318
P2O5 Water Soluble	22% Min		Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% min	-	ISO 5314
P2O5 Water and Citrate Soluble	32% min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	16% min	-	ISO 5310 / ISO 5318
Moisture (H2O) (unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	14%	"- 1,1" for negative difference per element;	ISO 5314
P2O5 Water and Citrate Soluble	23%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	14%	"- 1, 9" on the sum of the negative differences.	ISO 5310 / ISO 5318
Sulfur (S)	6%	- 0,36	ICP
Boron trioxide (B2O3)	1%	- 0,15	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	90% Min	ISO 8397

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Family: **FERTILIZERS**

1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	14%	"- 1,1" for negative difference per element; "- 1,9" on the sum of the negative differences.	ISO 5314
P2O5 Water and Citrate Soluble	28%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	14%		ISO 5310 / ISO 5318
P2O5 Water Soluble	26% Min		Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	90% Min	ISO 8397

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Family: **FERTILIZERS**

1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	15%	" - 1,1" for negative difference per element; " - 1,9" on the sum of the negative differences.	ISO 5314
P2O5 Water and Citrate Soluble	15%		Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Potash (K2O)	15%		ISO 5310 / ISO 5318
P2O5 Water Soluble	13% Min		Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	40% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	6% Min	-	ICP
Zinc (Zn)	1% Min	-	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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1. CHEMICAL PROPERTIES Family: FERTILIZERS

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	45% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	4,8% Min	-	ICP
Zinc (Zn)	0.6% Min	-	ICP
Copper (Cu)	0.14% Min	-	ICP
Boron trioxide (B2O3)	0.5% Min	-	ICP
Moisture (H2O) (Unground)	1.5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(2 - 4) mm	90% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% Min	-	ISO 5314
P2O5 Water and Citrate soluble	45% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	5,5% Min	-	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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Family: FERTILIZERS

1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% Min	-	ISO 5314
P2O5 Water and Citrate Soluble	45% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	5% Min	-	ICP
Zinc (Zn)	0,2% Min	-	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	12% Min	-	ISO 5314
P2O5 Water and Citrate soluble	45% Min	-	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	5% Min	-	ICP
Boron trioxide (B2O3)	0,5%Min	-	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397

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NPS 17.8N 35.7P2O5 7S 0.1B 2.2Zn

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Total Nitrogen(N)	17,8%	-1	ISO 5314
P2O5 Water and citrate soluble	35.7%	- 1	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 Water soluble	32,96% Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	7%	- 1	ICP
Boron (B)	0,1%	+/- 0.02	ICP
Zinc (Zn)	2,2%	+/- 0.2	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049
pH (in 10% Aqua-solution)	4 Min	-	-

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 - 4) mm	96% Min	ISO 8397
<1 mm	5% Min	ISO 8397

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1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	TOLERANCE	ANALYSIS METHOD
Nitrogen Ammoniacal (N)	19%	- 1	ISO 5314
P2O5 Water and Citrate soluble	38%	- 1	Extraction: NF EN 15957 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 Water soluble	35.7%Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
Sulfur (S)	7%	- 1	ICP
Moisture (H2O) (Unground)	1,5% Max	-	NF EN 12049
pH (in 10% Aqua-solution)	4 Min	-	-

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
1-4 mm	96% Min	ISO 8397

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Family: **FERTILIZERS**

1. CHEMICAL PROPERTIES

ELEMENT	GUARANTEED CONTENT	TOLERANCE	ANALYSIS METHOD
P2O5 Water and Citrate Soluble	46% Min	-	Extraction: NF EN 15957 Dosage: NF EN 15959
P2O5 Water Soluble	42% Min	-	Extraction: NF EN 15958 Dosage: Internal method (continuous flow spectrophotometer)
P2O5 TOTAL	46.5% Min	-	Extraction: NF EN 15956 Dosage: Internal method (continuous flow spectrophotometer)
Moisture (H2O) (unground)	3,5% Max	-	NF EN 12048
Free Acid content ¹	2% Max	-	Titration

2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	GUARANTEED CONTENT	ANALYSIS METHOD
(1 – 4) mm	90% Min	ISO 8397

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