



**Alexandria international**  
for trading & contracting co dll

# HAPPINESS IS OUR GOAL FOR YOU

## About Us

We are Alexandria international for Trading & Contracting Co. It is one of the Egyptian shareholding companies that works in the field of exporting cement-clinker-rock phosphate –rock salt-fertilizer and trading them in the world there are qualified employees to work in this field, which enabled them to conclude many export contracts with many clients in many countries. And we must make great efforts to be in a position that allows us to live up to that responsibility, and strive to achieve our goals of integrity, honesty, responsibility and full and true respect for the rules and ethics of the profession. Because we want to be the company that customers always trust.

## Our Policy and Goals

Our policy is to provide real and effective services in order to meet the evolving and successive requirements of our clients, day after day, in order to achieve complete satisfaction for all our customers and partners with full professionalism by the highly trained team and have experiences with all procedures for exporting All our work is accomplished in a professional manner that achieves complete satisfaction of all customers as we work hard to protect the interests of our customers. Alexandria international for Trading and Contracting provides all its customers around the clock all the requirements and materials with high quality

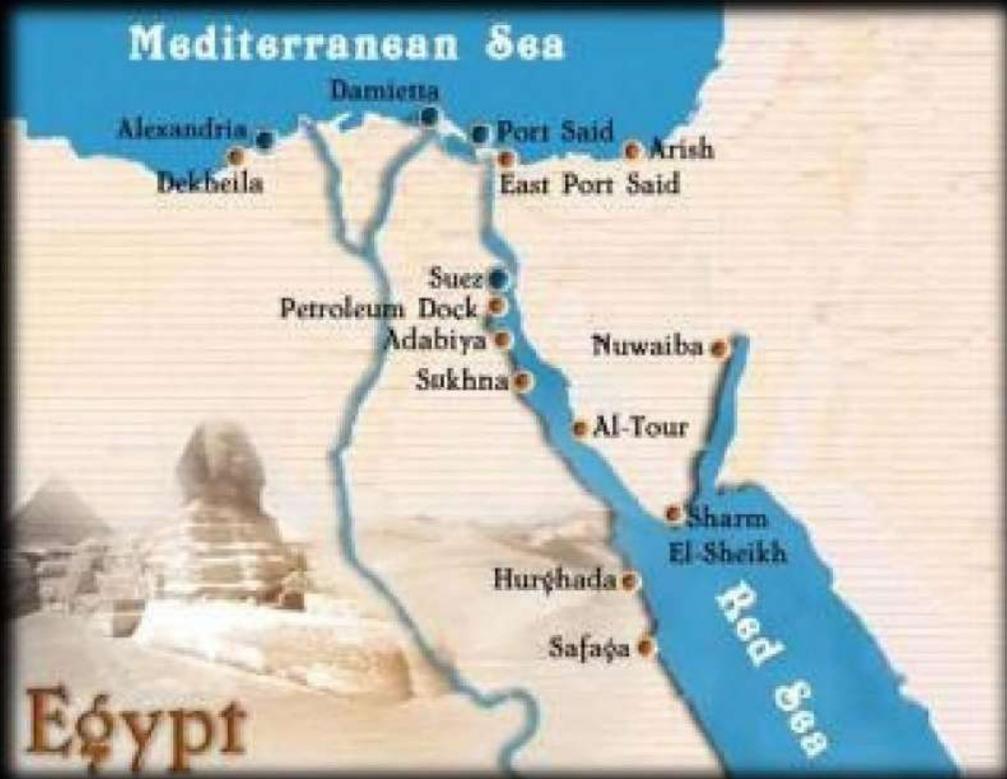
## Below are the list and details of our products:

Rock phosphate: phosphate ore from 16% p2o5 to 32% p2o5 bulk in vessel & jumbo bags

Rock salt: rock salt (sodium chloride) row & washed bulk in vessel& jumbo & 50 -25kg

Fertilizer: we have some selected items (urea –map –dap -....)







**UREA**





**Urea 46% N Granular**  
**PRODUCT DATA SHEETS**

**Product: Granular Urea Agriculter Grade**

Nitrogen total 46.0 wt % min  
 Method of analysis (Titrimetric, after digestion): DSM 201-E  
**Moisture content: 0.5 wt. % max**  
 Method of analysis: DMG 0281-2B-E  
**Biuret content : 1.00 wt.% max.**  
 Method of analysis (Spectrophotometric Method): DSM 135-E  
 Dsm 135 23-E  
**Granulation: size 2-4 mm 90 wt.%min**  
 Method of analysis: AGRO 1011

**Pb content:** not more than 100 mg/kg

**Cd content:** not more than 20 mg/kg

**As content:** not more than 10mg/kg

**Cr content:** not more than 200mg/kg

**Hg content:** not more than 0.2 mg/kg

The product is homogenous, free from impurities, and extraneous materials and frees flowing. white, soluble in water.

Origin: Egypt



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**Urea 46% N Prills LBU**  
**PRODUCT DATA SHEETS**

**Section 1 | Description**

Brand name: Urea 46% N Prills LBU  
 Appearance: White crystals

**Section 2 | Chemical composition**

Total Nitrogen (N): > 46% w/w  
 Ureic Nitrogen (N-NH<sub>2</sub>): > 46% w/w  
 Biuret: < 1% w/w

**Section 3 | Heavy metals**

Arsenic (As): < 5mg/kg  
 Cadmium (Cd): < 1mg/kg  
 Chrome (Cr): < 5mg/kg  
 Mercury (Hg): < 1mg/kg  
 Lead (Pb): < 5mg/kg

**Section 4 | Physical properties**

Moisture: < 0.5%  
 Granulometry  
 < 6 mm: 100%  
 1 - 4 mm: >94%  
 < 1 mm: <3%

October 2021 Origin: Egypt



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**ANALYSIS DATA SHEET (ADS)**  
**Urea Automotive**

**Product: Urea Automotive**

**Specifications**

NITROGEN: 46.27 %  
 BIURET: 0.80 %  
 MOISTURE: 0.20 %  
 FORMALDEHYDE: 0.014 %  
 PRODUCT GRANULOMETRY: 90.0 PCT. MINIMUM BETWEEN 2MM AND 4.5 MM: 99.6 %



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**UREA**





**ANALYSIS DATA SHEET (ADS)**  
Prilled Urea Treated With Zinc Sulphate 45.3%

**Product: Prilled Urea Treated With Zinc Sulphate 45.3%**

**Specifications**

Nitrogen: 45.3%wt

Zinc Sulphate 0.05%wt Min.

Biuret : 1.0 %wt Max.

Moisture: 0.5 %wt Max.

Grain Size: 90 % Min ( 1 – 3.55 mm ).

Origin: Egypt



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**ANALYSIS DATA SHEET (ADS)**  
Prilled Urea 46%

**Product: Prilled Urea 46%**

**Specifications**

Nitrogen: 46% wt Min.

Biuret: 1.0 % wt Max.

Moisture: 0.5 % wt Max.

Grain Size: 90 % Min ( 1 – 3.55 mm ).

Origin: Egypt



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**ANALYSIS DATA SHEET (ADS)**  
UREA 46%

**DESCRIPTION (EGYPTIAN Granular Urea Agriculture Grade)**

**CHEMICAL COMPOSITION**

**UNIT VALUE**

Nitrogen total	46.0 wt % min
Method of analysis (Titrimetric, after digestion):	DSM 201-E
Moisture content:	0.5 wt. % max
Method of analysis:	DMG 0281-2B-E
Biuret content:	1.00 wt.% max.
Method of analysis (Spectrophotometric Method):	DSM 135-E
	DSM 135 23-E
Granulation:	size 2-4 mm 90 WT.%min
Method of analysis:	AGRO 1011
Pb content:	not more than 100 mg/kg
Cd content:	not more than 20 mg/kg
As content:	not more than 10mg/kg
Cr content:	not more than 200mg/kg
Hg content:	not more than 0.2 mg/kg

The product is homogenous, free from impurities, and extraneous materials, and frees flowing. white, soluble in water.

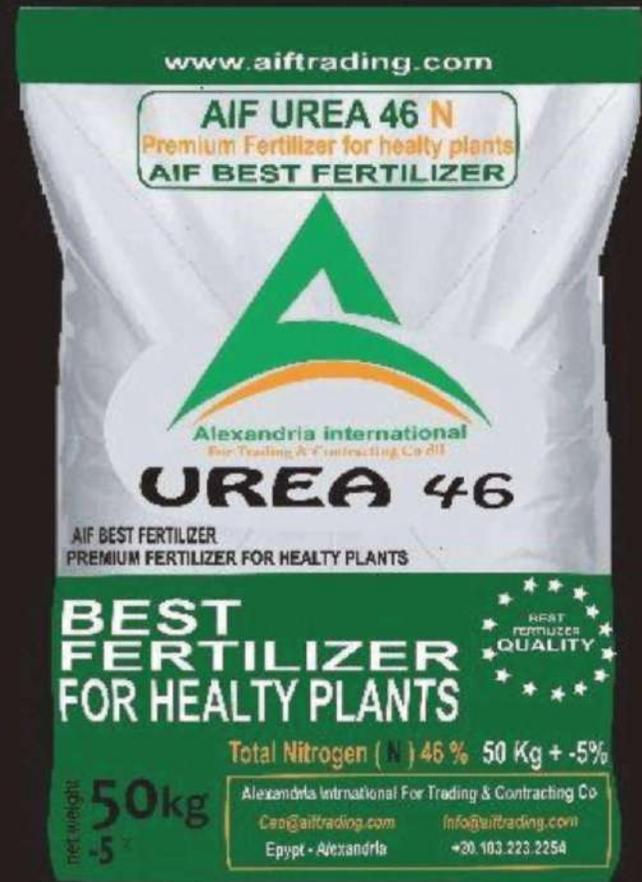
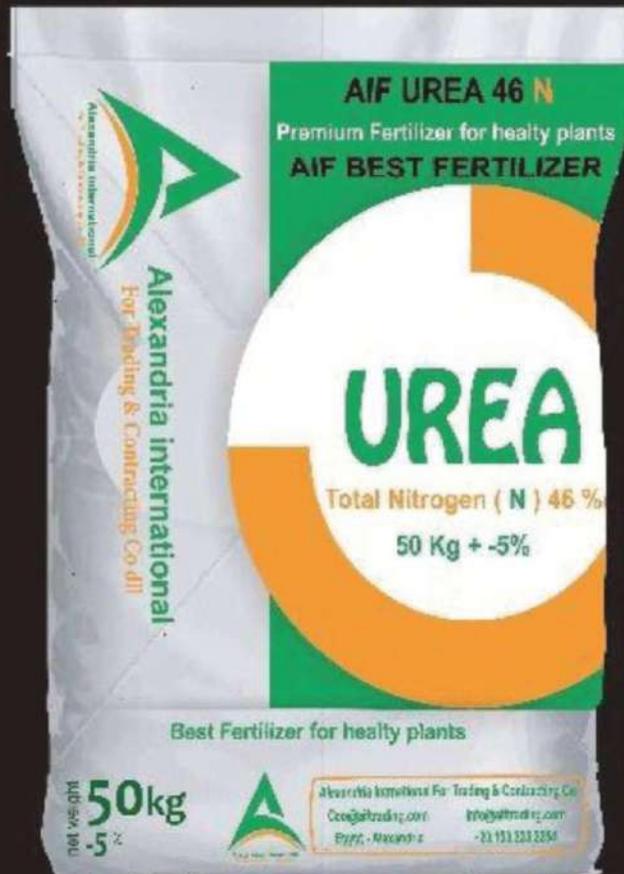
Origin: Egypt



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**UREA**







DAP

# (Di Ammonium phosphate- Granules) (DAP)



## DAP (Di Ammonium phosphate- Granules) PRODUCT DATA SHEETS

### Section 1 | Description

Trade Name: DAP (Di Ammonium phosphate- Granules)  
Molecular formula:  $(\text{NHA})_2\text{HPO}_4$   
Use: Agriculture Fertilizer  
Appearance: White to Yellow Granules

### Section 2 | Chemical composition

Total Nitrogen: 18 # 0.5 %  
Total P2Os: 46 % min.  
Citrate soluble P2Os: 44.5 0.5 %  
Water soluble P2Os: 41 # 0.5%

### Section 3 | Heavy metals

Arsenic (As): 14 ppm  
Cadmium (Cd): 12 ppm  
Chrome (Cr): 180 ppm  
Ni: 45 ppm

### Section 4 | Physical properties

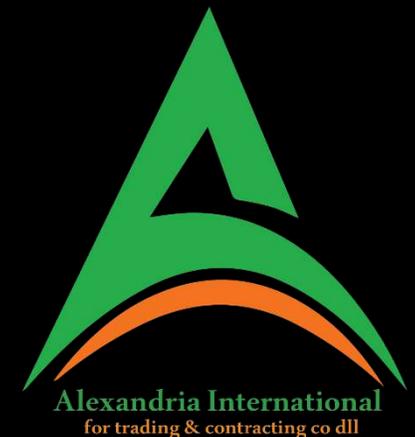
Moisture content: 1.5 % max.  
Hardness: 4 kg  
PH (1 wt/wt %): 7-8  
Sieve Analysis: 92 % min. pass from 2-4 mm  
95 % min. pass from 1-4 mm

October 2021. Origin: Egypt

DAP (Di Ammonium phosphate- Granules)



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# Triple Super Phosphate (granular) G-TSP



## ANALYSIS DATA SHEET (ADS)

### G-TSP

#### Triple Super Phosphate (granular) G-TSP

Moisture content	5.0 %	Maximum
Total P2O5	46.0%	Minimum
Water soluble P2O5	41.0%	Minimum
Free Phosphetic acid as P2O5	4.5 %	Maximum
Hardness	3.5 Kg	Minimum

#### Potentially toxic elements.

Arsenic	mg/kg	25 max
Cadmium	mg/kg	3.0 max.
Lead	mg/kg.	30 max.
Chromium	mg/kg	50 max.
Mercury	mg/kg	1.0 max

Should be granular 4.75 mm 95 %  
1.00 mm 5%

Origin: Egypt



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# Single Super Phosphate (Granular) G-SSP



## ANALYSIS DATA SHEET (ADS)

### G-SSP

#### Single Super Phosphate (Granular) G-SSP

Specification of Granulated Single Super Phosphate 16%

PRODUCT IDENTIFICATION	
Chemical name	Calcium Di-hydrogen phosphate
Chemical formula	$\text{Ca}(\text{H}_2\text{PO}_4)_2$
Trade name	Single Super Phosphate Granules
Use	Agriculture Fertilizer

CHEMICAL PROPERTIES	
As $\text{P}_2\text{O}_5$	
Water soluble	$16 \pm 0.3\%$
Citrate soluble	$18 \pm 0.3\%$
Total phosphorus	$20 \pm 0.5\%$
Free acid	4.0% max.

PHYSICAL PROPERTIES	
Appearance	Granulated solid
Moisture	4.0% max.
Grain size +4.8 mm	2% max.
Grain size 2 – 4.8 mm	60% min.
Grain size 1 – 2 mm	39% max.
Grain size -1 mm	1% max.
Hardness	2.8 kgf/Granule min.

NB: All aspects and consequently results of analysis are on dry basis.

Origin: Egypt



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# (Calcium Ammonium Nitrate (CAN))



## ANALYSIS DATA SHEET (ADS) Calcium Ammonium Nitrate (CAN)

### Calcium Ammonium Nitrate (CAN)

Moisture content	3.0 % wt. < -
Total Nitrogen	26.6% > -
Bulk density	920 – 1050 kg/m <sup>3</sup>
Particle size (2-4 mm)	90 % > - wt.
Particle size (< 1 mm)	1 % > - wt.
PH of 10% water solution	4.5 – 8

Origin: Egypt



  
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# POTASSIUM



## ANALYSIS DATA SHEET (ADS) POTASSIUM CHLORIDE (KCL)

### DESCRIPTION

#### Chemical and Physical Analysis

##### Chemical Analysis

Element	Guaranteed	Measured wt%
KCl	98.5 PCT MIN	97.73
K <sub>2</sub> O	61.0 PCT MIN	61.74
NaCl	2.60 PCT MAX	3.75
MgCl <sub>2</sub>	0.50 PCT MAX	0.32
CaCl <sub>2</sub>	0.16 PCT MAX	0.02
H <sub>2</sub> O	0.35 PCT MAX	0.19
Anti-caking		Added

##### Physical Analysis

Guaranteed between Tyler Mesh Size (90%)	% WT (UM)
+10	1.8
165	93.4
Result	91.6 (Between Tyler Mesh 10-65)



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## ANALYSIS DATA SHEET (ADS) Potassium Sulfate (GSOP) 0/0/50

### DESCRIPTION (EGYPTIAN Potassium Sulfate (GSOP) 0/0/50)

#### CHEMICAL COMPOSITION

General		K <sub>2</sub> SO <sub>4</sub>			
Chemical Formula	K <sub>2</sub> SO <sub>4</sub>				
Appearance	White to Gray Granules				
Item	Specs	Unit	Test Method	Ref.	
Potassium as K <sub>2</sub> O	50 Min	%	Flam Photometric	IS 2196/2018	
Sulfur (S)	17 Min	%	ICP	In house	
Chloride (Cl)	2.5 Max	%	Volumetric	E52199/2018	
pH (1 g/100 ml H <sub>2</sub> O)	2.45-3	—	pH meter	Internal	
Acidity as H <sub>2</sub> SO <sub>4</sub>	5.5 Max	—	Volumetric	Acid-Base Reaction	
Moisture Content	0.5 Max	%	Oven	AOAC 900.01	
Insoluble Matter	2.5 Max	%	Gravimetric	Internal	
Bulk Density	1.04-1.15	g/cm <sup>3</sup>	Loose pour	IFDCS-111	
Hardness	2.5 Min	Kg /gran	Granule crushing strength	IFDCS-115	
Arsenic (As)	5 Max	ppm	ICP	AOAC 2006.09	
Cadmium (Cd)	5 Max	ppm	ICP	AOAC 2006.09	
Lead (Pb)	5 Max	ppm	ICP	AOAC 2006.09	
Hexavalent Chromium (Cr)	2 Max	ppm	ICP	EPA 8008	
Total Chromium (Cr)	10 Max	ppm	ICP	AOAC 2006.09	
Mercury (Hg)	0.2 Max	ppm	ICP	EPA 8008 B	
Nickel (Ni)	50 Max	ppm	ICP	AOAC 2006.09	
Boron	12 Max	ppm	Spectrophotometer	In house	
Fluoride	10 Max	ppm	Spectrophotometer	In house	
Copper (Cu)	50 Max	ppm	ICP	EPA 8008 B	
Zinc (Zn)	50 Max	ppm	ICP	EPA 8008 B	
Item	Specs	Unit	Ref.		
Particle Size	< 2.0 mm	1 Max	%	dry sieve	
	< 2.0 mm	5 Max	%		
	< 0.1 mm	95 Min	%		

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## ANALYSIS DATA SHEET (ADS) Potassium Sulfate (SOP) 0/0/50

### DESCRIPTION (EGYPTIAN Potassium Sulfate (SOP) 0/0/50)

#### CHEMICAL COMPOSITION

General		K <sub>2</sub> SO <sub>4</sub>			
Chemical Formula	K <sub>2</sub> SO <sub>4</sub>				
Appearance	White Powder				
Item	Specs	Unit	Test Method	Ref.	
Potassium as K <sub>2</sub> O	50 Min	%	Flam Photometric	IS 2196/2018	
Sulfur (S)	17 Min	%	ICP	In house	
Chloride (Cl)	2.5 Max	%	Volumetric	E52199/2018	
pH (1 g/100 ml H <sub>2</sub> O)	2.45-3	—	pH meter	Internal	
Acidity as H <sub>2</sub> SO <sub>4</sub>	5.5 Max	—	Volumetric	Acid-Base Reaction	
Moisture Content	0.5 Max	%	Oven	AOAC 900.01	
Insoluble Matter	2.5 Max	%	Gravimetric	Internal	
Bulk Density	1.04-1.15	g/cm <sup>3</sup>	Loose pour	IFDCS-111	
Hardness	2.5 Min	Kg /gran	Granule crushing strength	IFDCS-115	
Arsenic (As)	5 Max	ppm	ICP	AOAC 2006.09	
Cadmium (Cd)	5 Max	ppm	ICP	AOAC 2006.09	
Lead (Pb)	5 Max	ppm	ICP	AOAC 2006.09	
Hexavalent Chromium (Cr)	2 Max	ppm	ICP	EPA 8008	
Total Chromium (Cr)	10 Max	ppm	ICP	AOAC 2006.09	
Mercury (Hg)	0.2 Max	ppm	ICP	EPA 8008 B	
Nickel (Ni)	50 Max	ppm	ICP	AOAC 2006.09	
Boron	12 Max	ppm	Spectrophotometer	In house	
Fluoride	10 Max	ppm	Spectrophotometer	In house	
Copper (Cu)	50 Max	ppm	ICP	EPA 8008 B	
Zinc (Zn)	50 Max	ppm	ICP	EPA 8008 B	
Item	Specs	Unit	Ref.		
Particle Size	< 2.0 mm	1 Max	%	dry sieve	
	< 2.0 mm	5 Max	%		
	< 0.1 mm	95 Min	%		

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## ANALYSIS DATA SHEET (ADS) Potassium Sulfate (SOP) 0/0/50 SOL

### DESCRIPTION (EGYPTIAN Potassium Sulfate (SOP) 0/0/50)

#### CHEMICAL COMPOSITION

General		K <sub>2</sub> SO <sub>4</sub>			
Chemical Formula	K <sub>2</sub> SO <sub>4</sub>				
Appearance	White Powder				
Item	Specs	Unit	Test Method	Ref.	
Potassium as K <sub>2</sub> O	50 Min	%	Flam Photometric	IS 2196/2018	
Sulfur (S)	17 Min	%	ICP	In house	
Chloride (Cl)	2.5 Max	%	Volumetric	E52199/2018	
pH (1 g/100 ml H <sub>2</sub> O)	2.45-3	—	pH meter	Internal	
Acidity as H <sub>2</sub> SO <sub>4</sub>	5.5 Max	—	Volumetric	Acid-Base Reaction	
Moisture Content	0.5 Max	%	Oven	AOAC 900.01	
Insoluble Matter	2.5 Max	%	Gravimetric	Internal	
Bulk Density	1.04-1.15	g/cm <sup>3</sup>	Loose pour	IFDCS-111	
Hardness	2.5 Min	Kg /gran	Granule crushing strength	IFDCS-115	
Arsenic (As)	5 Max	ppm	ICP	AOAC 2006.09	
Cadmium (Cd)	5 Max	ppm	ICP	AOAC 2006.09	
Lead (Pb)	5 Max	ppm	ICP	AOAC 2006.09	
Hexavalent Chromium (Cr)	2 Max	ppm	ICP	EPA 8008	
Total Chromium (Cr)	10 Max	ppm	ICP	AOAC 2006.09	
Mercury (Hg)	0.2 Max	ppm	ICP	EPA 8008 B	
Nickel (Ni)	50 Max	ppm	ICP	AOAC 2006.09	
Boron	12 Max	ppm	Spectrophotometer	In house	
Fluoride	10 Max	ppm	Spectrophotometer	In house	
Copper (Cu)	50 Max	ppm	ICP	EPA 8008 B	
Zinc (Zn)	50 Max	ppm	ICP	EPA 8008 B	
Item	Specs	Unit	Ref.		
Particle Size	< 2.0 mm	1 Max	%	dry sieve	
	< 2.0 mm	5 Max	%		
	< 0.1 mm	95 Min	%		

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# Ammonium Nitrate 33.5 %



## ANALYSIS DATA SHEET (ADS)

### Ammonium Nitrate 33.5 %

#### DESCRIPTION (EGYPTIAN Granulated ammonium nitrate 33.5 %)

CHEMICAL COMPOSITION	UNIT VALUE
Total Nitrogen	33.5 %
Amm. Nitrate	95.75 %
Magnesium Nitrate	0.16 %
Calcium Nitrate	0.3 %
Humidity	0.5 max.
Hardness	35 Kg/cm <sup>2</sup>

#### Screen Analysis:

Above 4.7 mm 1.7

Above 2 mm 94.7

Above 1 mm 3.5

Powder Nil

White colour granulated, a mixture of ammonium nitrate and dolomite, coated with anti-caking material, Powder-free, Impurities Free.

Granulated ammonium nitrate 33.5 % Nitrogen, insoluble in water ratio of 1 : 1

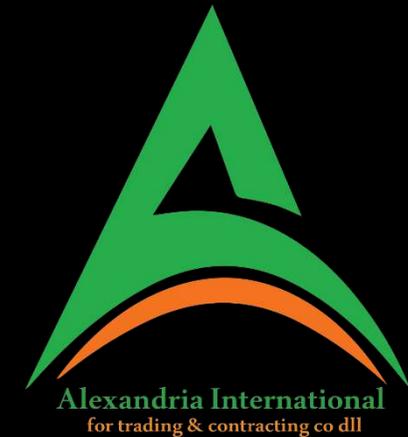
Bagging: 50 Kg polyethylene

Expire Period: 3 years

Origin: Egypt



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# Ammonium Sulphate



## ANALYSIS DATA SHEET (ADS)

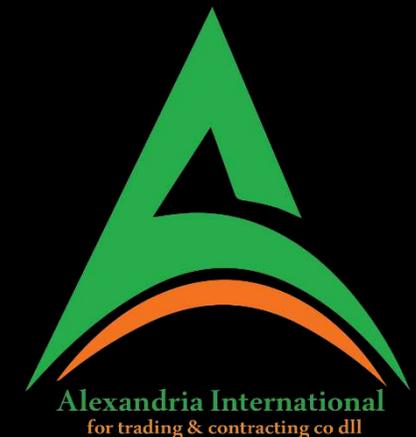
### Ammonium Sulphate

#### DESCRIPTION (EGYPTIAN Ammonium Sulphate)

CHEMICAL COMPOSITION		Analysis
Total Nitrogen	%=	20.6
Amm.Sulphate	%=	97.22
Free Acid as H2SO4	%=	0.11
Humidity	%=	0.30
Sieve Analysis	%=	99 under 3.35mm
Powder		Zero
Origin:	Egypt	



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# ACIDS



## ANALYSIS DATA SHEET (ADS) SULPHURIC ACID

### DESCRIPTION (EGYPTIAN SULPHURIC ACID)

Item	Analysis
Color Co-P UNIT	Colorless
Turbidity F.T.U	Clear
Concentration %wt	98.5
Iron P.P.M	10 max
Sp.Gr.At20 °C	1.83
Insoluble material	0.025%
SO <sub>2</sub> P.P.M	30
Origin:	Egypt



## ANALYSIS DATA SHEET (ADS) NITRIC ACID

### DESCRIPTION (EGYPTIAN NITRIC ACID)

CHEMICAL COMPOSITION	Analysis	Standard
SP.G AT 20 OC	1.333	-----
Concentration % WT	45	48-50
HNO <sub>2</sub> P.P.M	3	200
Chloride P.P.M	3.5	20
Iron P.P.M	0.50	
Sulphate P.P.M	6	50
NH <sub>3</sub> P.P.M	1.00	30
Impurities P.P.M	20	50
Origin:	Egypt	



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