

№ 01/23

CERTIFICATE OF QUALITY

05 02 2018

AMMONIUM NITRATE
"OXIDIZER!" "FIREDANGEROUS!"

GOST 2-2013

NH₄NO₃

UN2067

The ammonium nitrate is produced by neutralization of the nitric acid by gaseous ammonia

Name of the characteristics:

Fraction of total mass of nutrients on conversion to the nitrogen in dry matter, %, min	34,4
Fraction of total mass of water defined drying method, %, max.	0,3
PH of the 10% water solution, min	5,0
<u>Fraction of total mass of the additives on conversion to dry matter,</u>	
<u>magnesium nitrate on conversion to MgO, %</u>	0,25-0,5
<u>Anti-caking agent, %</u>	0,05-0,1

Size grading:

fraction of total mass of the 1-3 mm granules, %, min	does not normed
fraction of total mass of the	
1-4 mm granules, %, min	95
2-4 mm, %, min	80
< 1 mm < %, max	3
more than 6 mm, %	0,0
Static strength of the kg granule, min	0,8
Free flowing, % min	100
Density, kg/m ³	1690-1725

Properties:

The AN is an oxidizer. At 210 °C plus interaction with sulphur, iron pyrite, hypochloride lime, metallic powders (particularly, zinc powder), the AN decomposes into toxic oxides and oxygen, the latter being a possible cause for ignition of matters contracting with the AN (particularly, sacks). The AN has high degree of dissolving in water.

The AN is weak toxic and irritating.

Precautions:

A fire broken out because of the AN decomposition must be suppressed by huge amounts of water. Any contact with organic matters is prohibited because of the possibility of explosion.

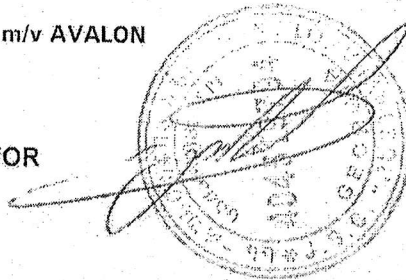
Applications:

The AN is a universal nitrogen fertilizer. The AN causes temporary oversouring in oils with scanty buffer vessel.

Shipment:

IN BIG BAGS, BL No. 1 m/v AVALON

PROXY DIRECTOR



I. GOZALISHVILI