

N 01/412

30 03 2026 წ.

CERTIFICATE OF QUALITY

AMMONIUM NITRATE

"OXIDIZER!" "FIREDANGEROUS!"

GOST 2-2013

NH₄NO₃

UN2067

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

Name of the characteristics:

Fraction of total mass of nitrate and ammonium nitrogen

in terms 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

Fraction of total mass of the additives on

conversion to dry matter,

magnesium nitrate on conversion to MgO, %

0,25-0,5

Anti-caking agent, %

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, g/cm³

1,690-1,725

Properties:

The AN is an oxidizer. At 210 oC plus interaction with sulfur, 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. Stands out for its high hygroscopicity.

The AN is low toxic. Causes skin and mucous membrane irritation.

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, B/L No.1 M/V "EFEGE"

Batch number: 95-97

Production Date: 11-12.03.2026

General Director

Jay Prakash Jajoo

