PRODUCT
SPECIFICATION

NEOFERT®
AMMONIUM NITRATE
EC FERTILIZER

Number of revisions: 12
Date of last revision: 11.01.2016

General Information:

Chemical formula: NH_4NO_3 CAS No.: 6484 - 52 - 2
Molecular weight: 80.04 EO No.: 229 - 347 - 8
Appearance: prills
Use: mineral fertilizer, formulation and repackaging of mixtures

Specifications:

Indices	Typical Values	Limit Values
Ammonium nitrate on dry basis, %	97.1	min. 97.1
Total nitrogen content on dry basis, % including: - ammoniacal form, % - nitrate form, %	34.4 17.0 17.4	min. 34.4 min. 17.0 min. 17.4
Moisture, %	0.2 - 0.6	max. 0.6
Combustible ingredients, expressed as C, %	0.08	max. 0.2
Porosity (oil retention), %	2	max. 4
pH aqueous solution at 20 ^{0}C (10 g/ 100 cm^3)	4.5 - 6.0	min. 4.5
Chlorine (as Cl^-), %	0.005	max. 0.02
Heavy metals (such as Cu), mg/kg	10	max. 10
Free flowing, %	100	min. 100
Granulometry: - particles with dimensions below 1 mm , % - particles with dimensions below 0.5 mm, %		 max. 5 max. 3
Non-organic additives, % - calculated as magnesium oxide	 0.3-0.5	 max. 0.5
Organic anti-caking agent	treated	treated
Resistance to detonation	complies	must conform with the test

The typical values are based on producer`s analyses.

Packing:

* Two-layer bags (polypropylene/polyethylene) - 25 kg; 50 kg net
* Big bags - 500 kg; 600 kg net
* Slings and sling bags (30 pcs. of 50 kg) - 1500 kg net

These data are based on our current knowledge, experience and technical equipment. They do not relieve customers of carrying out their own tests and experiments, due to the great diversity of possible effects in processing and application of our products. They do not imply any legally binding assurances of certain properties and applications. The recipients of our products ought to abide by the existing legislation and regulations as well as possible reserved rights.