

AMMONIUM NITRATE (N34.4)

Product specification	Monomark standard
1. Appearance	White, reddish or yellowish prilled granules
2. Total amount of nitrogen (N), mass %: Amount of nitrogen in the form of nitric nitrogen, mass % Amount of nitrogen in the form of ammoniacal nitrogen, mass %	34.4 ± 2.0 17.2 ± 2.0 17.2 ± 2.0
3. Mass fraction of water, by drying, mass %	≤ 0.3
4. pH value of the solution (10 g of the fertilized product dissolved in 100 ml of water)	≥ 4.5
5. Granulometry: No more than % by weight may pass through a sieve with a mesh size of 1 mm No more than % by weight may pass through a sieve with a mesh size of 0.5 mm From 1 mm to 5 mm in size, % by weight, not less than From 2 mm to 4 mm in size, % by weight, not less than Through a sieve with a mesh size of 5.6 mm, not less than % by weight can be sifted	5 3 95 88 100
6. Static strength of granules, N/granule (kgf/granule)	≥ 14 (1.4)
7. Friability, %, at least	100
8. Oils maintained after two thermal cycles, mass %	≤ 4.0
9. Amount of combustible material measured by carbon (C) content, mass %	≤ 0.2
10. Mass fraction of chlorine (Cl), mass %	≤ 200
11. Mass fraction of copper (Cu), mg/kg	≤ 10
12. Zinc (Zn) concentration, mg/kg	≤ 1500
13. Detonation resistance	Non-explosive
NOTES: 1. Ammonium nitrate is produced with an internal additive of magnesium nitrate. 2. Ammonium nitrate is produced with conditioning additives that ensure its bulkiness during transportation and storage within a guaranteed storage time. 3. Under the agreement with the customer, it is permitted to produce ammonium nitrate with other additives that may change the color of the product.	