

AMMONIUM NITRATE FERTILIZER (N-34.4)

Product specification	Monomark standard
1. Appearance	White, reddish or yellowish granules
2. Mass fraction of TOTAL nitrogen (N), %, including:	34.4±0.3
– ammoniacal nitrogen (N-NH ₃), %	17.2±0.3
– nitric nitrogen (N-NO ₃), %	17.2±0.3
3. Moisture, %, max	0.3
4. pH (10 % water solution), min	5.0
5. Granule size:	
– from 1 to 4 mm, % min	97
– from 2 to 4 mm, %, min	88
– up to 1 mm, % max	1.5
– over 6 mm, %, max	0.0
6. Static granule strength, N/granule (kgf/granule), min	14 (1.4)
7. Friability, weight %, min	100
8. Porosity (oil retention after double thermal cycling at 25-50°C), %, max	4.0
9. Mass fraction of combustive materials recalculated into elemental carbon, %, max	0.2
10. Mass fraction of chlorine as chloride ion (Cl ⁻), %, max	0.02
11. Mass fraction of copper (Cu), mg/kg, max	10
12. Explosiveness (destruction of six lead cylinders)	Non-explosive