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AMMONIUM NITRATE (N-34.4)

Product specification	Monomark standard
1. Appearance	White, reddish or yellowish granules
2. Mass fraction of nitrogen (N), %, including: – ammonia nitrogen (N-NH_3), % – nitrate nitrogen (N-NO_3), %	34.4±0.3 17.2±0.3 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 – from 2 to 4 mm, %, min – up to 1 mm, % max – over 6 mm, %, max	 97 88 1.5 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

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