



Omnimpex Chemicals S.A.

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AMMONIUM NITRATE – TECHNICAL GRADE Technical Specifications

Aspect	white – grey prills	
Total nitrogen	(related to dry substance), min. %	34.6
Humidity	max. %	0.3
Free acid	(as HNO ₃), max. %	0.02
Ashes	max. %	0.2
Granulometry	between 1 – 4 mm , min. %	95
	under 1 mm and over 4mm, max %	5

- On buyers request, the product may be treated with anticaking agent

Analysis methods

- **Total nitrogen** – according to STAS 4890/87. The sample is mixed with formaldehyde and then the released nitric acid is titrated with NaOH solution. Admitted differences between two paralel analyses can be of maximum 0.1 % and between the analyses of two laboratories of maximum 0.3 % in absolute value.
- **Humidity** – Karl-Fisher method according to SR ISO 760/93. Admitted differences between two paralel analyses can be of maximum 0.05 % and between the analyses of two laboratories of maximum 0.1 % in absolute value.
- **Granulation** – Mechanical sieving through sieves of 1 mm and 4 mm meshes
- **Free acid** – according to STAS 450/80. Free acid is titrated with NaOH solution in the presence of a mixed indicator.

Packing

- Product is delivered packed in polypropylene bags with inner polyethylene bags. The inner bags are closed by welding and the polypropylene bags are closed by sewing.
- Bag weight is 50 kg net \pm 0.5 kg.
- Also packing can be made in pp + pe bags of 500 kg or 1000 kg.

Storage and transportation

- Storage and transportation shall be done in maximum 20 levels stowage for bags of 50 kg and 3 levels stowage for bags of 500 kg and 1000 kg, in closed, dry and clean storehouses and vehicles.
- The product must be protected from direct sun rays and be kept in a temperature between -10 and $+30$ °C.
- Vehicles shall be clean, dry, weatherproof covered and inside without sharp objects that could cut or puncture the bags. During railway transportation the International Regulation of Combustible Materials Transportation, (RID) shall be respected.

Note • The quality of the product is guaranteed for a period of 1 year from the manufacturing date provided that storage and transportation conditions are respected.