



Omnimpex Chemicals S.A.

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STABILIZED AMMONIUM NITRATE

Technical Specifications

Aspect	white, yellowish prills	
Total nitrogen	(related to dry substance), min. %	31.0
Total P₂O₅	max. %	4.0
Humidity	max. %	0.5
Granulometry	- between 1 – 4 mm , min. %	95
	- under 1 mm and above 4 mm , max %	5

- The product is treated with anticaking agent

Analysis methods

- **Total nitrogen** – according to STAS 11411/1-88 – by reduction of the nitrates to ammonia by means of Dewarda alloy in basic medium. Ammonia is distilled and trapped in a known volume of sulphuric acid and the exceed is titrated with NaOH solution

- **Total P₂O₅** - according to SR ISO 11411/2-1998. Orthophosphoric ions react with the vanadate and molibdate ions forming a yellow coloured phospho-vanadomolibdenic complex.

The colour strenght is spectrophotometrically or photolorimetrically measured using a wave lenght of 410 - 470 nm.

Admitted differences between the analyses of two laboratories can be of maximum 0.5 % 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

Packing

- Product is delivered packed in polypropylene bags with inner polyethylene bags. The inner bags are closed by welding at customer's request and the polypropylene bags are closed by sewing.
- Bag weight is 50 kg net ± 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 50 kg bags 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 sunrays 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 years from manufacturing date provided that storage and transportation conditions are respected.