



Omnimpex Chemicals S.A.

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CALCIUM AMMONIUM NITRATE Technical Specifications

Aspect	slightly coloured prills (an unhomogenous colour cannot be considered as a quality claim)	
Total nitrogen	(related to dry substance), min. % 26, max. % 30	
Humidity	max. %	0.5
Granulometry	- between 1 – 4 mm , min. %	95
	- under 1 mm and above 4 mm, max. %	5
Note	As CAN is treated with anticaking agent in powder form, the free dust in the product cannot be considered as a quality claim.	

Analysis methods

- **Total nitrogen** – according to STAS 4904 / 87. Formaldehyde is added to the sample and then the released nitric acid is titrated with NaOH solution. Admitted differences between two paralel analyses can be 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

Packing

- Product is delivered in bulk or 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 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 Transportation (RID) shall be respected.
- For bulk deliveries by sea, vessels hatches must not be wet or dirty of oils of previous transported materials. The walls must be free of cutting off rust.

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