



## CERTIFICATE OF QUALITY AQUEOUS AMMONIA TECHNICAL EST 16611042-004-2017

$\text{NH}_3\text{H}_2\text{O}$   
UN2672

Aqueous Ammonia Technical is obtained from gaseous or liquid ammonia, or from a mixture of gases containing ammonia, as a result of the absorption of ammonia by demineralized water.

### NAME OF THE CHARACTERISTICS:

Fraction of total mass of ammonia, %	20-25
on conversion to nitrogen, %	16,4-20,5
Mass concentration of non- volatile residue , g/dm <sup>3</sup>	not rated
Mass concentration of carbon dioxide (CO <sub>2</sub> ), g/dm <sup>3</sup> , max	8

### PROPERTIES:

Aqueous Ammonia Technical is a colorless (sometimes yellowish hue) transparent liquid. It is not flammable and explosion-proof. Aqueous Ammonia Technical causes corrosion of non-ferrous metals (zinc, tin and copper) and their alloys (brass, bronze). Since at normal atmospheric pressure the boiling point of ammonia is -33.40°C, under normal conditions ammonia is released from ammonia water, which irritates the mucous surface of the nasal cavity, the eyes and causes coughing. Special protection of the nasal cavity and eyes is required.

### APPLICATIONS:

Aqueous Ammonia Technical is used in chemical industry for the production of nitrogen fertilizers, nitrogen acid, polymers, soda, explosives, in production dyes, ferroalloys, in the electrolytic production of Mn. In refrigeration equipment Aqueous Ammonia Technical is used as a refrigerant. In agriculture it is used as a nitrogen fertilizer.

### SHIPMENT:

Aqueous Ammonia Technical is transported in railway tanks and ammonia carriers.

[www.rustaviazot.ge](http://www.rustaviazot.ge)

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