

INDORAMA



RustaviAZOT

**CERTIFICATE OF QUALITY
LIQUID TECHNICAL AMMONIA
GOST 6221-90 BRAND «B»**

**NH₃
UN1005**

The ammonia is produced by the synthesizing from the nitrogen-hydrogen mixture at enhanced pressure and temperature with the iron catalyst present followed by condensation and separation of liquid ammonia.

NAME OF THE CHARACTERISTICS:

Fraction of total mass of ammonia, %, min	99,6
Fraction of total mass of nitrogen, %, min.	82,0
Fraction of total mass of water, %, max	0,2-0,4
Mass volume of oil, mg/dm ³ , max	8,0
Mass volume of iron, mg/dm ³ , max	2,0
Density (T=-34°C P=760 mm Hg), kg/m ³	681,4

PROPERTIES:

The ammonia (20°C and 760mmHg) is a colourless gas with strong smell; transfers into the liquid phase at -33,6°C. Below the melting point at -77,70°C the ammonia crystallizes into colourless mass with a faint smell. Liquid Technical Ammonia is a toxic, getting on the human skin, causing severe burns. Special protection of the skin and eyes is required.

APPLICATIONS:

Liquid Technical Ammonia is used in the production of nitrogen acid, cyanides, nitrogen-bearing salts, caprolactam. It is a component to the water solutions of ammonia, as well as a coolant for refrigerating machines. Both liquid ammonia and its water solutions are applicable as liquid fertilizers.

SHIPMENT:

Liquid Technical Ammonia is transported in the specialized tank cars and tank trucks, steel cylinders.

www.rustaviazot.ge

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