

**Technical Data Sheet**

## Ammonia Solution

Ammonia solution is a liquid mixture of ammonia salts and water and has the chemical formula  $NH_4OH$ . It is also known as ammonium hydroxide, aqueous ammonia, ammoniacal liquor and ammonia water. As the concentration of dissolved ammonia increases, so the solution decreases in density.

**Application:**

- agricultural industries
- fertilizer production industries
- metalworking operations
- production of nitric acid and some alkaline substances including soda ash
- medicine
- dye production
- textiles
- synthetic fiber and some plastics
- acid neutralization
- water and wastewater treatment
- industrial refrigeration systems
- rubber industries
- paper industries
- food and beverage industries
- leather industries
- urea production

Properties	Value
Assay(acidimetry)	>25%
Chloride	<0.05%
sulfate	<0.05%
Cu	<0.0005%
Fe	<0.0005%
Pb	<0.005%
Residue of ignition	<0.02 %