

# Technical Specification

**PRODUCT : Ammonia solution 30 % RPE - For analysis - ACS**

**CODE : 419940**

**MOLECULAR WEIGHT :35,046**

**CAS N° : 1336-21-6**

**FORMULA : NH4OH**

| TEST                 | U.M.     | SPECIFICATION           |
|----------------------|----------|-------------------------|
| Description          | -        | Clear colourless liquid |
| Colour               | APHA     | <= 10                   |
| Identification       | -        | Positive                |
| Assay (alcalimetric) | %        | 28.0 - 30.0             |
| Density d20/4        | -        | 0.892 - 0.910           |
| Residue on ignition  | ppm      | <= 20                   |
| Carbonate            | ppm      | <= 10                   |
| Chloride             | ppm      | <= 0.5                  |
| Phosphate            | ppm      | <= 0.3                  |
| Nitrate              | ppm      | <= 2                    |
| Heavy metals (as Pb) | ppm      | <= 0.4                  |
| Subs. reducing KMnO4 | ppm (5m) | <= 8                    |
| Silicate             | ppm      | <= 10                   |
| Sulfides             | ppm      | <= 0.1                  |
| Sulfate              | ppm      | <= 2                    |
| Ag                   | ppm      | <= 0.02                 |
| As                   | ppm      | <= 0.02                 |
| Ca                   | ppm      | <= 0.5                  |
| Cd                   | ppm      | <= 0.01                 |
| Co                   | ppm      | <= 0.01                 |
| Cr                   | ppm      | <= 0.02                 |
| Cu                   | ppm      | <= 0.02                 |
| Fe                   | ppm      | <= 0.05                 |
| K                    | ppm      | <= 0.2                  |
| Mg                   | ppm      | <= 0.1                  |
| Mn                   | ppm      | <= 0.01                 |
| Na                   | ppm      | <= 1                    |
| Ni                   | ppm      | <= 0.02                 |
| Pb                   | ppm      | <= 0.02                 |
| Zn                   | ppm      | <= 0.05                 |

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
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