

**Certificate of Analysis****Ammonia solution 32%.****Product No.: NKC0610**

| Product Information |                     |
|---------------------|---------------------|
| Cas No.:            | 1336-21-6.          |
| Molecular Formula:  | NH <sub>4</sub> OH. |
| Molecular Weight:   | 35.05 g/mol.        |
| MFG Date:           | Nov-2025.           |
| EXP Date:           | Nov-2030.           |
| Batch No.:          | Nk1241472.          |

| Test                                 | Specification  | Result     |
|--------------------------------------|----------------|------------|
| Appearance (Clarity)                 | Clear          | Clear      |
| Appearance (Colour)                  | Colourless     | Colourless |
| Appearance (Form)                    | Liquid         | Liquid     |
| Colour (APHA)                        | max. 10        | Passes     |
| Assay (T)                            | 30% to 32%     | 31.7%      |
| Density (g/ml) @ 20°C                | 0.88           | 0.88       |
| Non-Volatile Matter                  | max. 0.002%    | 0.0005%    |
| Substances reducing Permanganate (O) | max. 0.0008%   | Passes     |
| Chloride (Cl)                        | max. 0.00005%  | Passes     |
| Sulphate (SO <sub>4</sub> )          | max. 0.0002%   | Passes     |
| Iron (Fe)                            | max. 0.00002%  | Passes     |
| Heavy Metals (Pb)                    | max. 0.000005% | Passes     |
| Carbonate (CO <sub>3</sub> )         | max. 0.002%    | Passes     |
| Phosphate (PO <sub>4</sub> )         | max. 0.00005%  | Passes     |
| Sulphide (S)                         | max. 0.00001%  | Passes     |
| Calcium (Ca)                         | max. 0.0001%   | Passes     |
| Copper (Cu)                          | max. 0.000005% | Passes     |
| Sodium (Na)                          | max. 0.0005%   | Passes     |
| Potassium (K)                        | max. 0.0001%   | Passes     |
| Magnesium (Mg)                       | max. 0.00001%  | Passes     |
| Zinc (Zn)                            | max. 0.00002%  | Passes     |
| Pyridine & Homologues                | max. 0.0002%   | Passes     |



- The product complies with the prescribed standards of quality
- The product has been tested by the Quality Control Laboratory of N K Chem to the above specifications
- This is Electronic Generated Specification do not require signature