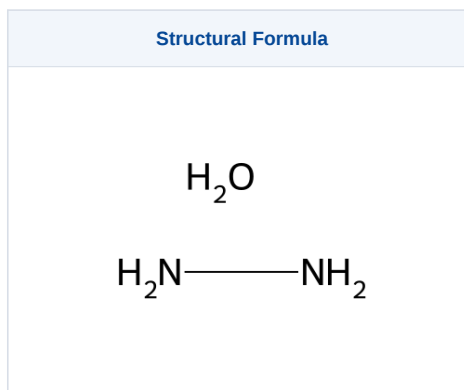


## CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd., manufacturer and supplier of quality chemicals.

|                   |                                 |
|-------------------|---------------------------------|
| Product Name      | Hydrazine Hydrate               |
| C.A.S. Number     | 7803-57-8                       |
| Molecular Formula | H <sub>6</sub> N <sub>2</sub> O |
| Molecular Weight  | 50.06                           |
| Grade / Standard  | 80% / 100% solution             |
| Physical Form     | Clear colorless liquid          |
| Product Category  | Water Treatment Chemicals       |
| Country of Origin | India                           |



## ANALYTICAL RESULTS

| S. No. | Test Parameter            | Specification                              | Result          | Method                    |
|--------|---------------------------|--------------------------------------------|-----------------|---------------------------|
| 1      | Description               | Clear colorless liquid                     | Complies        | Visual                    |
| 2      | Identification            | Conforms to the structure of the substance | Complies        | FTIR / Chemical test      |
| 3      | Assay                     | Not less than 80.0 % w/w                   | 80.60           | Titrimetry / Instrumental |
| 4      | Specific Gravity at 25 °C | As per specification                       | Conforms        | Hydrometry                |
| 5      | pH (as supplied)          | As per specification                       | 5.4             | Potentiometry             |
| 6      | Iron (as Fe)              | Not more than 50 ppm                       | 10.2 ppm        | ICP-OES                   |
| 7      | Heavy Metals (as Pb)      | Not more than 10 ppm                       | Less than 5 ppm | ICP-OES                   |
| 8      | NSF/ANSI 60 suitability   | Suitable for potable water treatment       | Complies        | Manufacturer declaration  |
| 9      | Structure                 | Conforms to reference structure            | Complies        | FTIR / NMR                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Remarks</b><br><br>Material supplied against this specification is analysed on every production lot and <b>conforms</b> to the limits stated above in all tested parameters. Results shown are the typical values obtained for this grade.<br><br>Retained samples are held against every export consignment. Store in tightly closed original packing, in a cool, dry, well-ventilated place away from incompatible materials and direct sunlight. | <b>Checked and Approved by</b><br><br><b>Prem Panchal</b><br>Quality Assurance<br>Scapex Exports Pvt. Ltd. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

This document sets out the standard specification for the product named above and applies to all consignments of this grade. It is issued by Scapex Exports Pvt. Ltd. as manufacturer and supplier. Refer to the Material Safety Data Sheet (MSDS) before handling.