

## 1907– HYDROXYLAMINE HYDROCHLORIDE, EXTRA PURE

|                           |                                                                             |                         |
|---------------------------|-----------------------------------------------------------------------------|-------------------------|
| REF NO: TBL/QA/SS/LC/1907 | STANDARD SPECIFICATION<br>FOR HYDROXYLAMINE<br>HYDROCHLORIDE, EXTRA<br>PURE | Rev. No: 03             |
| Issue No: 04              |                                                                             | Review Date: 14/03/2025 |
| Issue Date: 15/03/2022    |                                                                             | Product code: 1907      |

### PRODUCT PROPERTIES

|                    |                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C.A.S Number       | 5470-11-01                                                                                                                                                                   |
| Chemical Formula   | NH <sub>2</sub> OH.HCl                                                                                                                                                       |
| Formula weight     | 69.49                                                                                                                                                                        |
| Functional Uses    | Powerful reducing agent. Converts aldehydes and ketones to oximes, and acid chlorides to hydroxamic acids. Used as catalyst, swelling agent, and copolymerization inhibitor. |
| Standard Packaging | 100 gm., 500 gm, & 25 Kg.                                                                                                                                                    |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION                          |
|-------------------|----------------------------------------|
| Appearance        | Colorless or white crystalline powder. |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| Copper (Cu)                 | NMT – 0.0005% |
| Iron (Fe)                   | NMT – 0.0005% |
| Sulphate (SO <sub>4</sub> ) | NMT – 0.002%  |
| Calcium (Ca)                | NMT – 0.001%  |
| Potassium (K)               | NMT – 0.005%  |
| Assay                       | NLT – 99.0%   |

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

