

## 3295 – ANILINE HYDROCHLORIDE

|                           |   |                         |
|---------------------------|---|-------------------------|
| Ref No: TBL/QA/SS/LC/3295 | <b>STANDARD SPECIFICATION<br/>FOR ANILINE<br/>HYDROCHLORIDE</b> | Rev. No: 03             |
| Issue No: 04              |   | Review Date: 31/10/2024 |
| Issue Date: 01/11/2021    |   | Product code: 3295      |

### PRODUCT PROPERTIES

|                           |   |
|---------------------------|---|
| <b>C.A.S Number</b>       | 142-04-1  |
| <b>Chemical Formula</b>   | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> .HCl  |
| <b>Formula weight</b>     | 129.59  |
| <b>Functional Uses</b>    | Aniline hydrochloride was used in the preparation of polyaniline coated poly (styrene-co-styrene sulfonate) nanoparticles. It was used to study the induction of Nei-like DNA glycosylases (NEIL1/2)-mediated base excision repair (BER) in rat spleen and 8-oxoguanine glycosylase 1-mediated BER due to aniline exposure. |
| <b>Standard Packaging</b> | 500 gm  |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION                                       |
|-------------------|---|
| Appearance        | White to brown or green or gray crystals or powder. |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| Sulphate (SO <sub>4</sub> ) | NMT – 0.02%   |
| Ash                         | NMT – 0.05%   |
| Melting Point               | 197 – 200°C   |
| Assay                       | NLT – 99.0%   |

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

