

241– AMMONIUM CHLORIDE, EXTRA PURE

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| Ref No: TBL/QA/SS/LC/241 | STANDARD SPECIFICATION FOR AMMONIUM CHLORIDE, EXTRA PURE | Rev. No: 03 |
| Issue No: 04 | | Review Date: 01/11/2024 |
| Issue Date: 02/11/2021 | | Product code: 241 |

PRODUCT PROPERTIES

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| C.A.S Number | 12125-02-9 |
| Chemical Formula | NH ₄ Cl |
| Formula weight | 53.49 |
| Functional Uses | Ammonium chloride (NH ₄ Cl) has been used as one of the components of red blood cell (RBC) lysis buffer for use in various studies. It may be used as a catalyst in the preparation 3,4-dihydropyrimidin-2-(1H)-ones. |
| Standard Packaging | 500 gm, 5 Kg and 50Kg |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|---------------------------------------------|
| Appearance | White or colorless fine crystalline powder. |
| Solubility | Soluble in water. |
| Clarity | Clear solution |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-----------------------------|---------------|
| pH (5% soln. at 25°C) | 4.5 – 6.0 |
| Heavy Metal (Pb) | NMT – 0.005% |
| Sulphate (SO ₄) | NMT – 0.05% |
| Iron (Fe) | NMT – 0.005% |
| Assay | NLT – 99.0% |

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

