

## 242– AMMONIUM CHLORIDE, AR GRADE

Ref No: TBL/QA/SS/LC/242	STANDARD SPECIFICATION FOR AMMONIUM CHLORIDE, AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 01/11/2024
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### PRODUCT PROPERTIES

C.A.S Number	12125-02-9
Chemical Formula	NH <sub>4</sub> Cl
Formula weight	53.49
Functional Uses	Ammonium chloride (NH <sub>4</sub> Cl) has been used as one of the components of red blood cell (RBC) lysis buffer for use in various studies. it also is found in many pharmaceuticals preparations such as cough and cold medications, and has been used as an expectorant to help clear lung secretions.
Standard Packaging	500 gm, 5 Kg and 50 Kg

### 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 <sup>o</sup> C)	4.5 – 6.0
Heavy Metal (Pb)	NMT – 0.005%
Sulphate (SO <sub>4</sub> )	NMT – 0.005%
Iron (Fe)	NMT – 0.0005%
Assay	NLT – 99.0%

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

