

## 237– AMMONIUM BICARBONATE, EXTRA PURE

Ref No: TBL/QA/SS/LC/237	STANDARD SPECIFICATION FOR AMMONIUM BICARBONATE, EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 01/11/2024
Issue Date: 02/11/2021		Product code: 237

### PRODUCT PROPERTIES

C.A.S Number	1066-33-7
Chemical Formula	CH <sub>5</sub> NO <sub>3</sub>
Formula weight	79.056
Functional Uses	Ammonium bicarbonate (AMBIC) was used in the following studies: <ul style="list-style-type: none"> <li>To derivatize histone proteins from human monocyte-derived macrophages (MDM) by propionylation.</li> <li>Destaining of silver-stained proteins in polyacrylamide gel bands during the peptide mass profiling using a mass spectrometer.</li> </ul>
Standard Packaging	500 gm, 5 Kg and 50 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White powder or crystals.
Solubility	Clear colourless Solution

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1M in H <sub>2</sub> O at 25°C)	7.0 – 8.5
Chloride (Cl)	NMT – 0.05%
Sulphate (SO <sub>4</sub> )	NMT – 0.05%
Assay	NLT – 99.0%

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

