

## 238– AMMONIUM BICARBONATE, AR GRADE

Ref No: TBL/QA/SS/LC/238	<b>STANDARD SPECIFICATION FOR AMMONIUM BICARBONATE, AR GRADE</b>	Rev. No: 03
Issue No: 04		Review Date: 01/11/2024
Issue Date: 02/11/2021		Product code: 238

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	1066-33-7
<b>Chemical Formula</b>	CH <sub>5</sub> NO <sub>3</sub>
<b>Formula weight</b>	79.056
<b>Functional Uses</b>	<p>Ammonium bicarbonate (AMBIC) was used in the following studies:</p> <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>
<b>Standard Packaging</b>	500 gm

### PHYSICAL PARAMETERS

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

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Sulphate (SO <sub>4</sub> )	NMT – 0.005%
Chloride (Cl)	NMT – 0.001%
Iron (Fe)	NMT – 0.0005%
Lead (Pb)	NMT – 0.0001%
Assay	NLT - 99.0 %

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

