

## 227 – GUANIDINE HYDROCHLORIDE, AR GRADE

REF NO: TBL/QA/SS/LC/227	<b>STANDARD SPECIFICATION FOR GUANIDINE HYDROCHLORIDE, AR GRADE</b>	Rev. No: 03
Issue No: 04		Review Date: 29/10/2024
Issue Date: 30/10/2021		Product code: 227

### PRODUCT PROPERTIES

C.A.S Number	50-01-1
Chemical Formula	CH <sub>5</sub> N <sub>3</sub> .HCl
Formula weight	95.33
Functional Uses	It is mainly used in Protein Denaturation and in Medical field.
Standard Packaging	25gm & 100 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Soluble in water.
Clarity	Clear Solution

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (6 M in H <sub>2</sub> O, at 25°C)	4.5 – 6.0
Heavy Metals (Pb)	NMT – 0.0005%
Total Ash	NMT – 0.05%
Iron (Fe)	NMT – 0.0005%
Assay	NLT – 99.5%

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

