

3301– BARBITURIC ACID

Ref No: TBL/QA/SS/LC/3301	STANDARD SPECIFICATION FOR BARBITURIC ACID	Rev. No: 03
Issue No: 04		Review Date: 02/11/2024
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PRODUCT PROPERTIES

C.A.S Number	67-52-7
Chemical Formula	C ₄ H ₄ N ₂ O ₃
Formula weight	128.09
Functional Uses	Barbituric acid (BA) may be used in the preparation of the corresponding hemiaminals, via chemoselective reduction in the presence of SmI ₂ /H ₂ O reagent. It may be used in the preparation of BA- modified conjugated carbon nitride nanosheets.
Standard Packaging	100 gm, 500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.005%
Sulphate (SO ₄)	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.

