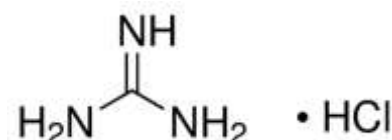


GUANIDINE HYDROCHLORIDE FOR MOLECULAR BIOLOGY

PRODUCT CODE	941100
SYNONYMS	--
C.I. NO.	--
CASR NO.	50-01-1
ATOMIC OR MOLECULAR FORMULA	CH ₅ N ₃ .HCl
ATOMIC OR MOLECULAR WEIGHT	95.53
PROPERTIES	--



PARAMETER	LIMIT
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Description	Colourless crystalline powder.
Solubility	10% solution in water is clear, complete and colourless.
Minimum assay (by Ag NO ₃)	99.0%

MAXIMUM LIMIT OF IMPURITIES

Lead	0.0005%
DNAse, exonuclease detection	None detected
RNAse detection	None detected
Water (by karl fischer))	0.5%
UV Absorption 6 M solution	
UV Absorbance 280 nm	0.05
UV Absorbance 290 nm	0.05

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07

IMDG Code : --

UN No. : --

IATA :--

Replace date 25-July-2026