Certificate of Analysis

Guanidine Hydrochloride 8M Solution

Aminomethanamidine hydrochloride

Molecular Biology Grade

Catalog No	CAS No	Molecular Formula	Molecular Weight	Storage	
AAA14746	50-01-1	CH_5N_3•HCl•H_2O	95.53	RT	

Lot No	Control No		Revision No	Revised By	Approved By	
L23050114	C23062151		062123			

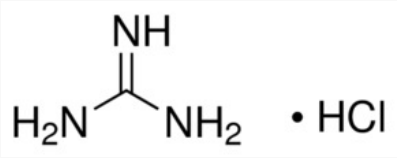
Description:

Guanidine Hydrochloride 8M Solution is a convenient preparation of our ultrapure molecular biology grade guanidine hydrochloride. It is used as a common protein denaturant in the purification and extraction of mRNA, nucleic acids and proteins from cellular material, acting as a strong RNase inhibitor, protecting cellular transcripts from degradation during tissue extraction.

Prepared with ultrapure molecular biology grade water, 0.2um Sterile-filtered.

	Specifications:	**Lot Analysis:**
Appearance:	Colorless, clear, complete	Colorless, clear, complete
pH:	As Reported	5.1
Storage and Stability:	Stable for 6 months after receipt at RT	
Prepared from Ultrapure Guanidine Hydrochloride:		
Purity:	≥99%	99.8%
Absorbance (260nm):	≤0.03	0.02
RNase:	None Detected	None Detected
DNase:	None Detected	None Detected
Protease:	None Detected	None Detected

Note: Crystals will form at 8M solution. Gently heat to go back into solution.



Structure of MBS635271
Aminomethanamidine hydrochloride, Aminoformamidine hydrochloride, Carbamidine hydrochloride, Guanidine chloride, Guanidinium chloride, Guanidinium hydrochloride, Iminourea