

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Guanidine Hydrochloride,for protein denaturation , 99.5%

ITEM NUMBER: G108675
BRAND: Aladdin
CAS NUMBER: 50-01-1
MDL NUMBER: MFCD00013026
FORMULA: CH₅N₃ · HCl
MOLECULAR WEIGHT: 95.53

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Powder or Crystals		
Ignition residue (as sulfate)	0 %	0.05 %	0.05 %
Infrared spectrum	Conforms to Structure		
insoluble matter	passes filter test		
Loss on drying	0 %	0.05 %	0.05 %
Melting point	185 ° C	189 ° C	189 ° C
pH	4.5	6	6
Protein denaturation test	pass		
protein-analysis test	pass		
Purity(titration with AgNO ₃)	99.5 %	100.5 %	100.5 %
UV absorption : 260 nm A	0	0.03	0.03
UV absorption : 280 nm A	0	0.02	0.02
	6 M in H ₂ O (6mol/L, H ₂ O)		