

Certificate of Analysis

Date of Testing:	2024-06-24 10:48:06
Date of Next Testing:	2028-06-23 10:48:06
Product Name:	Guanidine Hydrochloride
CAS Number:	50-01-1
Specifications & Purity:	for protein denaturation , 99.5%
Lot #:	F2414290
SKU #	G108675
Version	0
Analysis #:	362002
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.03%
UV Absorbance 260nm	0-0.039	0.02
Loss on drying	0-0.05 (%)	0.01%
Melting point	180-190 (°C)	187.80000 °C
UV Absorbance 280nm	0-0.025	0.01
Purity(Titration by AgNO3)	99.5-100.5 (%)	100.43%
PH	4.5-6	4.50
Appearance (G108675)	White Powder or Crystals	White Powder or Crystals
Insoluble matter	pass	Pass
protein-analysis test	pass	Pass
λ,6 M in H2O (6mol/L, H2O)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Protein denaturation test	pass	Pass



John Su
QA & QC Manager