

Certificate of Analysis

Date of Testing: 2024-01-08 11:17:45
Date of Next Testing: 2028-01-07 11:17:45
Product Name: **Guanidine Hydrochloride**
CAS Number: 50-01-1
Specifications & Purity: for protein denaturation , 99.5%
Lot #: A2402391
SKU #: **G108675**
Analysis: **305561**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.02 %
UV Absorbance 260nm	0-0.039	0.02
Loss on drying	0-0.05 (%)	0.01 %
Melting point	180-190 (°C)	187.55000 °C
UV Absorbance 280nm	0-0.025	0.02
PH	4.5-6	4.82
Purity(Titration by AgNO3)	99.5-100.5 (%)	100.48 %
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