

Certificate of Analysis

Date of Testing: 2022-03-08 14:24:50
Date of Next Testing: 2026-03-07 14:24:50
Product Name: **Guanidine Hydrochloride**
CAS Number: 50-01-1
Specifications & Purity: for protein denaturation , 99.5%
Lot #: C2202145
SKU #: **G108675**
Analysis: 069004
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
UV Absorbance 260nm	0-0.03	0.02
Loss on drying	0-0.05 (%)	0.03 %
Melting point	185-190 (°C)	187.45000 °C
UV Absorbance 280nm	0-0.02	0.01
Purity(Titration by AgNO3)	99.5-100.5 (%)	100.28 %
PH	4.5-6	4.84
Appearance (G108675)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Protein denaturation test	pass	Pass
protein-analysis test	pass	Pass
λ,6 M in H2O (6mol/L, H2O)	Pass	Pass



John Su
QA & QC Manager