

Certificate of Analysis

Date of Testing: 2022-10-11 09:39:52
Date of Next Testing: 2026-10-10 09:39:52
Product Name: **Guanidine Hydrochloride**
CAS Number: 50-01-1
Specifications & Purity: for protein denaturation , 99.5%
Lot #: J2209321
SKU #: **G108675**
Analysis: **129476**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
Loss on drying	0-0.05 (%)	0.04 %
Melting point	180-190 (°C)	187.08000 °C
Purity(Titration by AgNO3)	99.5-100.5 (%)	99.67 %
PH	4.5-6	5.78
UV Absorbance 260nm	0-0.039	0.04
UV Absorbance 280nm	0-0.025	0.02
Appearance (G108675)	White Powder or Crystals	White Powder or Crystals
Insoluble matter	pass	Pass
Protein denaturation test	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



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QA & QC Manager