

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-06 19:14:17  
 Date of Next Testing: 2026-12-05 19:14:17  
 Product Name: **Guanidine Hydrochloride**  
 CAS Number: 50-01-1  
 Specifications & Purity: for protein denaturation , 99.5%  
 Lot #: L2205624  
 SKU #: **G108675**  
**Analysis:** **158070**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
UV Absorbance 260nm	0-0.039	0.03
Loss on drying	0-0.05 (%)	0.02 %
Melting point	180-190 (°C)	187.81000 °C
UV Absorbance 280nm	0-0.025	0.02
Purity(Titration by AgNO3)	99.5-100.5 (%)	99.67 %
PH	4.5-6	5.91
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



John Su  
QA & QC Manager