

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-07 18:16:43  
Date of Next Testing: 2029-07-06 18:16:43  
Product Name: **Guanidine Hydrochloride(GACI)**  
CAS Number: 50-01-1  
Specifications & Purity: for protein analysis,  $\geq 99.5\%$   
Lot #: F2523505  
SKU #: **G108675**  
Version: **0**  
Analysis #: **498528**  
Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.01250 %
UV Absorbance 260nm	0-0.039	0.01200
Loss on drying	0-0.05 (%)	0.00150 %
Melting point	180-190 (°C)	187.04000 °C
UV Absorbance 280nm	0-0.025	0.00700
pH	4.5-6	5.91000
Purity(Titration by AgNO3)	99.5-100.5 (%)	100.48000 %
Appearance (G108675)	White Powder or Crystals	White Powder or Crystals
Insoluble matter	pass	Pass
protein-analysis test	pass	Pass
$\lambda$ ,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