

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-12 14:00:32

Date of Next Testing: 2028-10-11 14:00:32

Product Name: **Guanidine Hydrochloride(GACI)**

CAS Number: 50-01-1

Specifications & Purity: for protein analysis, ≥99.5%

Lot #: J2409068

SKU #: **G108675**

Version: **0**

Analysis #: **414116**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.00125 %
UV Absorbance 260nm	0-0.039	0.01700
Loss on drying	0-0.05 (%)	0.00251 %
Melting point	180-190 (°C)	187.81000 °C
UV Absorbance 280nm	0-0.025	0.01700
Purity(Titration by AgNO3)	99.5-100.5 (%)	100.16000 %
pH	4.5-6	5.27000
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