

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 17:18:51
 Date of Next Testing: 2027-06-04 17:18:51
 Product Name: **Guanidine Hydrochloride**
 CAS Number: 50-01-1
 Specifications & Purity: for protein denaturation , 99.5%
 Lot #: E23301345
 SKU #: **G108675**
Analysis: **203356**
 Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|-------------------------------|--------------------------|--------------------------|
| Ignition Residue (as sulfate) | 0-0.05 (%) | 0.03 % |
| UV Absorbance 260nm | 0-0.039 | 0.01 |
| Loss on drying | 0-0.05 (%) | 0.03 % |
| Melting point | 180-190 (°C) | 187.45000 °C |
| UV Absorbance 280nm | 0-0.025 | 0.00 |
| PH | 4.5-6 | 4.85 |
| Purity(Titration by AgNO3) | 99.5-100.5 (%) | 99.51 % |
| 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