

## Certificate of Analysis

Date of Testing: 2023-08-01 10:26:45  
Date of Next Testing: 2026-07-31 10:26:45  
Product Name: **Guanidine hydrochloride**  
CAS Number: 50-01-1  
Specifications & Purity:  $\geq 99\%$  (titration), organic base and chaetotropic agent  
Lot #: G2319575  
SKU #: **G432765**  
Analysis: **237754**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.3 (%)	0.01 %
A260 UV Absorption 6 M solution	$\leq 0.1$	0.00500
Titration by AgNO <sub>3</sub> (% Cl)	99-102.5 (%)	99.51 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(at 6 M in H <sub>2</sub> O (286 g to 500 ml)Clear Colorless	pass	Pass
Appearance(G432765)	White Powder or Crystals	White Powder or Crystals



John Su  
QA & QC Manager