

## Certificate of Analysis

Date of Testing: 2022-07-03 09:28:44  
Date of Next Testing: 2024-06-22 09:28:44  
Product Name: **Guandine thiocyanate**  
CAS Number: 593-84-0  
Specifications & Purity: for molecular biology,  $\geq 99\%$   
Lot #: D2208014  
SKU #: **G110925**  
**Analysis:** **107536**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Barium(Ba)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	2.30 ppm
Purity(Titration by AgNO <sub>3</sub> )	98.5-101.5 (%)	99.44 %
Sodium(Na)	0-0.5 (%)	0.02 %
Appearance (G110925)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
DNases,RNases,	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless , Clear , 100 mg in 1 mL H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager