

## Certificate of Analysis

Date of Testing: 2023-06-30 18:11:01  
 Date of Next Testing: 2025-06-19 18:11:01  
 Product Name: **Guandine thiocyanate**  
 CAS Number: 593-84-0  
 Specifications & Purity: for molecular biology, ≥99%  
 Lot #: F2325128  
 SKU #: **G110925**  
**Analysis:** **167124**  
 Storage Temperature: Argon charged

| Parameter                                                                            | Limit Values                          | Result                                |
|--------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Barium(Ba)                                                                           | 0-5 (ppm)                             | 0.01 ppm                              |
| Potassium(K)                                                                         | 0-0.005 (%)                           | 0.00 %                                |
| Heavy metal (as Pb)                                                                  | 0-5 (ppm)                             | 0.04 ppm                              |
| Sodium(Na)                                                                           | 0-0.5 (%)                             | 0.39 %                                |
| Purity(Titration by AgNO <sub>3</sub> )                                              | 98.5-101.5 (%)                        | 101.49 %                              |
| Appearance (G110925)                                                                 | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| DNases,RNases,                                                                       | none detected                         | none detected                         |
| Solubility in H <sub>2</sub> O , Colorless , Clear , 100 mg in 1 mL H <sub>2</sub> O | pass                                  | Pass                                  |
| Infrared spectrum                                                                    | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager