

## Certificate of Analysis

Date of Testing: 2022-03-18 14:42:18  
Date of Next Testing: 2024-03-07 14:42:18  
Product Name: **Guandine thiocyanate**  
CAS Number: 593-84-0  
Specifications & Purity: for molecular biology, ≥99%  
Lot #: C2218387  
SKU #: **G110925**  
**Analysis: 070074**  
Storage Temperature: Argon charged

| Parameter  | Limit Values                          | Result                                |
|--|---------------------------------------|---------------------------------------|
| Barium(Ba)   | 0-5 (ppm)                             | 0.00 ppm                              |
| Iron(Fe)   | 0-5 (ppm)                             | 0.00 ppm                              |
| Potassium(K)   | 0-0.005 (%)                           | 0.00 %                                |
| Heavy metal (as Pb)  | 0-5 (ppm)                             | 0.00 ppm                              |
| Purity(Titration by AgNO <sub>3</sub> )  | 98.5-101.5 (%)                        | 99.26 %                               |
| Sodium(Na)   | 0-0.5 (%)                             | 0.00 %                                |
| 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                                  |



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