

## Certificate of Analysis

Date of Testing: 2023-04-28 10:28:01  
Date of Next Testing: 2027-04-27 10:28:01  
Product Name: **Thimerosal**  
CAS Number: 54-64-8  
Specifications & Purity: 97%  
Lot #: D23241060  
SKU #: **T105278**  
**Analysis:** **186154**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
PH(1%,25°C)	6-8	7.22
Loss on drying	0-3 (%)	0.22%
Mercury Ion	0-0.5 (%)	0.40%
Purity(HPLC area)	97-100 (%)	97.70%
Melting point	234-237 (°C)	234.01000 °C
Purity(Titration)	95-103 (%)	95.96%
Appearance (T105278)	White to Off-White to Faint Beige Powder or Crystal	White to Off-White to Faint Beige Powder or Crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear or light yellow solution at 2g in 25ml	pass	Pass



John Su  
QA & QC Manager