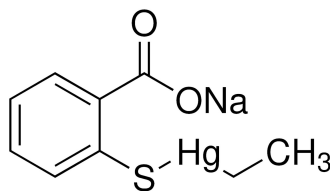


# Certificate of Analysis

**Product Name :** Thimerosal 97.0-101.0% (on dried substance, titration)  
**Product Number :** T5125-100G  
**Batch Number :** 0000458082  
Source Batch : 000845  
CAS Number : 54-64-8  
MDL Number : MFCD00013062  
Molecular Formula :  $C_9H_9HgNaO_2S$   
Formula Weight : 404.81 g/mol  
Expiry Date : Jan 2029  
Quality Release Date : 27 Mar 2025



Test	Specification	Result
Appearance (Form)	Conforms	Conforms
powder or crystals		
Appearance (Color)	Conforms	Conforms
White to Off White to Faint Beige		
Assay (USP) (dry basis)	97.0 - 102.0 %	99.9 %
Chromatography		
Solubility	Conforms	Conforms
(EP/BP)- Freely soluble in water, sparingly soluble		
or soluble in ethanol (96%), practically insoluble		
in ether and methylene chloride		
Identification A (USP)	Conforms	Conforms
IR		
Identification B (USP)	Conforms	Conforms
Silver nitrate test		
Identification C (USP)	Conforms	Conforms
Chromatographic correlation between standard and sample		
Loss on Drying	≤ 0.50 %	0.16 %
Miscellaneous Assay	Corresponds to Requirements	Corresponds
USP Test: ≤0.70% Mercury Ions		
Assay	97.0 - 101.0 %	99.7 %
(EP,BP)- Titrimetry: (on dry basis)		
Results Provided by Supplier	-----	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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**Product** T5125-100G  
**Batch** 0000458082

Shelf Life Defined by Supplier

Handled & Packed Under ISO9001

Released by

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Expiration Date

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Expiration Date



Anna Bendersky, Quality Control Manager

Quality Control

Israel

IL

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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