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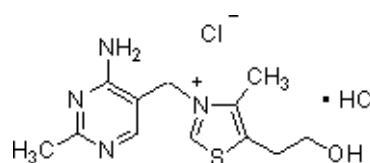
Email USA: techserv@sial.com

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Product Specification

Product Name:
Thiamine hydrochloride – meets USP testing specifications

Product Number: **T4562**
 CAS Number: 67-03-8
 MDL: MFCD00012780
 Formula: C₁₂H₁₇ClN₄OS · HCl
 Formula Weight: 337.27 g/mol



TEST	Specification
Identity	Pass
pH	2.7 - 3.4
Water (by Karl Fischer)	≤ 5.0 %
Residue on ignition (Ash)	≤ 0.2 %
Absorbance of Solution	Pass
Limit on Nitrate	Pass
Chromatographic Purity	Pass
< or = 1.0% Total for all secondary peaks	
Assay (Anhydrous Basis)	98.0 - 102.0 %
Residual Solvents USP 467	Meets Requirements
Recommended Retest Period	-----
5 years	

Specification: PRD.0.ZQ5.10000031683

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.