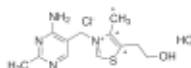


## Certificate of Analysis

Product Name:

Thiamine hydrochloride - reagent grade,  $\geq 99\%$  (HPLC)

Product Number: T4625  
Batch Number: BCCN3992  
Brand: SIAL  
CAS Number: 67-03-8  
Formula:  $C_{12}H_{17}ClN_4OS \cdot HCl$   
Formula Weight: 337,27 g/mol  
Quality Release Date: 18 JUN 2025  
Recommended Retest Date: MAY 2028



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Pow der	Pow der
Purity (HPLC)	$\geq 99\%$	100 %
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50mg/ml in Water		
Water	$\leq 7.0\%$	3.2 %
Carbon Content	42.1 - 43.4 %	42.6 %
(Anhydrous Basis)		
Nitrogen Content	16.1 - 17.1 %	16.1 %
(Anhydrous Basis)		
$^1H$ NMR Spectrum	Conforms to Structure	Conforms

Dr.Reinhold Schwenninger  
Quality Assurance  
Buchs,Switzerland CH

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. 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.

