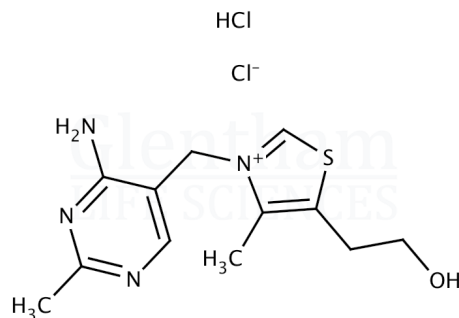


Certificate of Analysis

Product Name Thiamine hydrochloride, USP grade
Glentham Code GP8217
CAS Number 67-03-8
EINECS 200-641-8
MDL Number MFCD00012780
Additional CAS 59-43-8
Batch Number 459SEL

Molecular Weight 337.28
Molecular Formula $C_{12}H_{17}ClN_4OS \cdot HCl$
Storage Temp. +4°C



Property	Specification	Batch 459SEL
Physical Description	White to almost white powder	White powder
Identification (IR)	To conform to standard	Conforms
pH	2.7 - 3.4	3.1
Absorbance of Solution	≤ 0.025	0.01
Limit of Nitrate	To pass test	Conforms
Residue on Ignition	≤ 0.2%	0.04%
Chromatographic Purity	≤ 1.0%	Conforms
Water (KF)	≤ 5.0%	2.2%
Assay	98.0 - 102.0 % (anhydrous basis)	99.4%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.0
Manufacture Date 2021-06-18
Re-Test Date 2028-02-16

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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