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## **Certificate of Analysis**

Product Name Thiamine hydrochloride, USP grade		ochloride, USP grade	
Glentham Code	GP8217		HCI
CAS Number	67-03-8		CI <sup>-</sup>
EINECS	200-641-8		
MDL Number	MFCD0001278	30	H <sub>2</sub> N
Additional CAS	59-43-8		N <sup>+</sup> S
Batch Number	459SEL		
Molecular Weight	337.28		H <sub>3</sub> C
Molecular Formula	C <sub>12</sub> H <sub>17</sub> CIN <sub>4</sub> OS	S · HCI	/ N OH
Storage Temp.	+4°C		H <sub>3</sub> C
Property		Specification	Batch 459SEL
Physical Description		White to almost white powde	er White powder
Identification (IR)		To conform to standard	Conforms
pН		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 b	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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