

Product: Thiamine Hydrochloride, USP, FCC
Catalog Number: 82800

Formula: C₁₂H₁₇ClN₄OS•HCl
Formula Weight: 337.27
CAS Number: 67-03-8

SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance.....	white to yellow white crystalline powder or crystals
Assay (on dried basis).....	98.0% to 102.0%
Absorbance (10% solution in H ₂ O)	
400nm	NMT 0.025
Chromatographic Purity (area of secondary peaks)	NMT 1.0% related impurity
Color of Solution (10% solution in H ₂ O).....	passes test
Identification	
A (dry @ 105 for 2hrs, USP).....	IR matches reference spectrum
B	positive for Chloride
Limit of Nitrate	passes test
pH (1.0% solution in H ₂ O)	2.7 to 3.4
Residue On Ignition.....	NMT 0.2%
Water (by Karl Fischer)	NMT 5.0%
Lead (Pb)	NMT 2 mg/kg
 <u>Additional Information</u>	
Country of Origin.....	
Storage Conditions.....	15°C to 30°C