

Certificate of Analysis

Date of Testing: 2022-10-31 13:31:57

Date of Next Testing: 2026-10-30 13:31:57

Product Name: **Thiamine hydrochloride**

CAS Number: 67-03-8

Specifications & Purity: Analytical Reagent, 99.0%

Lot #: J2227762

SKU #: **T104100**

Analysis: **117524**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	4.73 %
Purity(HPLC)	99-100 (%)	99.65000 %
Purity(Argentmetric Titration)(calcd.on anh.substance)	98.5-102.5 (%)	100.96 %
Carbon by Elemental Analysis(anhydrous)	42.1-43.4 (%)	42.91 %
Nitrogen by Elemental Analysis (anhydrous)	16.1-17.1 (%)	16.75 %
Appearance (T104100)	white powder	White powder
IR spectrum	Conforms to structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear ,50 mg/ml in water	pass	Pass



John Su
QA & QC Manager