

Certificate of Analysis

Date of Testing: 2024-11-19 13:32:14

Date of Next Testing: 2028-11-18 13:32:14

Product Name: **Thiamine hydrochloride**

CAS Number: 67-03-8

Specifications & Purity: AR, ≥99%

Lot #: K2413446

SKU #: **T104100**

Version: **1**

Analysis #: **427125**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	1.45 %
Purity(HPLC)	99-100 (%)	99.51100 %
Carbon by Elemental Analysis(anhydrous)	42.1-43.4 (%)	42.11 %
Nitrogen by Elemental Analysis (anhydrous)	16.1-17.1 (%)	16.50 %
Appearance (T104100)	white powder	White powder
Solubility in H ₂ O , clear ,50 mg/ml in water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager