

Certificate of Analysis

Date of Testing: 2023-11-02 16:56:55

Date of Next Testing: 2027-11-01 16:56:55

Product Name: **Thiamine hydrochloride**

CAS Number: 67-03-8

Specifications & Purity: for plant cell culture

Lot #: J2327219

SKU #: **T104106**

Analysis: **291965**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	2.70 %
Purity(HPLC)	98-100 (%)	99.70000 %
Appearance (T104106)	White to Off-White to Pale Cream to Pale Yellow Crystals or Powder or Crystalline Powder or Solid or Chunks	White to Off-White to Pale Cream to Pale Yellow Crystals or Powder or Crystalline Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Plant cell culture test	pass	Pass
Solubility in H ₂ O , clear	pass	Pass
colorless ,50 mg/ml in water		



John Su
QA & QC Manager