

Certificate of Analysis

Date of Testing: 2022-03-30 21:12:29

Date of Next Testing: 2026-03-29 21:12:29

Product Name: **Thiamine hydrochloride**

CAS Number: 67-03-8

Specifications & Purity: for plant cell culture

Lot #: E1803153

SKU #: **T104106**

Analysis: **085888**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	2.00 %
Purity(HPLC)	98-100 (%)	99.20000 %
Appearance (T104106)	White to Off-White Powder or Solid or Chunks	White to Off-White 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 colorless ,50 mg/ml in water	pass	Pass



John Su
QA & QC Manager