

## Certificate of Analysis

Date of Testing: 2023-07-12 16:54:53  
Date of Next Testing: 2027-07-11 16:54:53  
Product Name: **Thiamine hydrochloride**  
CAS Number: 67-03-8  
Specifications & Purity: for cell and insect cell culture  
Lot #: G2307378  
SKU #: **T104103**  
**Analysis:** **173194**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.67400 %
Water by Karl Fischer	0-5 (%)	3.81 %
Appearance (T104103)	white powder or solid	white powder or solid
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager