



CERTIFICATE OF ANALYSIS

Product Name: Vitamin B1 (Thiamine Hydrochloride) Standard: USP40
Batch Number: 20240312 Batch Quantity: 1000KG
Manufacture Date: 2024-03-12 Expiry Date: 2026-03-11

ITEMS	SPECIFICATION	RESULTS
Appearance	White crystalline powder	Comply
Assay(on anhydrous basis)	98.0%~102.0%	99.7%
Identification	A: IR absorption; B: tests of chloride	Comply
Absorbance of solution	0.025 Max	0.013
pH	2.7~3.4	3.1
Limit of nitrate	No brown ring produced at the junction of the two layers	Comply
Loss on drying	5.0% Max	3.29%
Residue on ignition	0.2% Max	0.02%
Related compounds	1.0% Max	0.02%
-Methanol	0.3% Max	0.0025%
-Ethanol	0.5% Max	Not detected
Total plate count	1000cfu/g Max	Conforms
Molds and Yeast	100cfu/g Max	Conforms
E.coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	This batch complies with the specification of USP40.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn
Analyst

Rick
Approved

Whip
Header of QC