

Certificate of Analysis

Product Name: Vitamin B1 MONO

Standard:BP/USP/FCC

Origin: China

Product Name	Thiamine Hydrochloride	
Item of Test	Specification	Method
Description	White crystals or crystalline powder	Visual
Infrared absorption	Consistent with the reference IR spectra	USP
Chloride	A white curdy precipitate is formed with silver nitrate, the precipitate is insoluble in nitric acid but dissolves readily in ammonia	USP
Appearance of solution	Clear, not more intense than Y7 or GY7	EP
pH	2.7 ~ 3.3	USP
Water	NMT 5.0%	USP
Sulphates	NMT 0.03%	EP
Residue on ignition	NMT 0.1%	USP
Absorbance of solution	NMT 0.025	USP
Limit of nitrate	No brown ring is produced at the junction of the two layers	USP
Methanol	NMT 0.3%	GC, in-house
Ethanol	NMT 0.5%	
Assay (on anhydrous basis)	98.0% ~ 102.0%	USP
Lead	<0.5 mg/kg	AAS, FCC
Cadmium	<1.0 mg/kg	AAS, in-house
Arsenic	<1.0 mg/kg	AAS, in-house
Mercury	<0.1 mg/kg	AAS, in-house
Conclusion: This product complies with the valid compendia of BP, EP, USP and FCC when tested accordingly.		

Vitamin B1 MONO COA