

Certificate of Analysis

Product Name: Vitamin B1 HCL

Standard: USP2021

Origin: China

Items of analysis	Specification	Results
Appearance	White or almost white ,crystalline powder or colourless crystals	Conform
Identification		
A:Spectroscopic Identification	Concordant with the reference spectrum	Conform
Tests-infrared spectroscopy		
B: Identification tests-General, Chloride	Conform to USP2021	Conform
Limit of Nitrate	No brown ring is produced at the junction of the two layers	Conform
Absorbance of solution	Not more than 0.025	0.023
pH	2.7 to 3.4	3.2
Water	Not more than 5.0%	1.00%
Related Compounds	Not more than 1.0%	Conform
Residue on Ignition	Not more than 0.2%	98.0
Assay	%~102.0%	0.1%
Total plate count	<1000CFU/g	100.1%
		Conform
Mold and Yeast	<100 CFU/g	Conform
Heavy metals	Not more than 10ppm	Conform
Conclusion:	Conform to USP2021	

Vitamin B1 HCL COA