



## AnMar International Ltd.

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### SPECIFICATION SHEET Thiamine HCl (Vitamin B1 HCl)

Item No.: 013

Country of Origin: China

Updated: August 2012

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Appearance	White crystalline powder	Visual Perception
Identification	To be positive	USP34 monograph
Appearance of Solution	To Pass test	USP34 monograph
pH	2.7 - 3.3	USP34 monograph
Sulfate	≤300 ppm	USP34 monograph
Limit of nitrate	Complies	USP34 monograph
Heavy Metals	≤20 ppm	USP34 monograph
Water	≤5.0%	USP34 monograph
Residue on Ignition	≤0.1%	USP34 monograph
Absorbance of Solution	≤0.025	/
Residual Solvents	Complies	USP34 monograph
Related substances	Within limits	USP34 monograph
Assay	98.5% - 101.0%	USP34 monograph
Microbiology:		
Total aerobic plate count	≤1,000 cfu/g	CP2010 monograph
Yeast & Mold	≤100 cfu/g	CP2010 monograph
E. coli	Negative	CP2010 monograph
Salmonella	Negative	CP2010 monograph
Coliforms	≤10 cfu/g	CP2010 monograph

Conclusion: Conforms to USP34/ BP2011 standards

Shelf Life: 3 years under normal storage conditions

Packing: In drums of 25 kgs

- Kosher certified
- Halal certified

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