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SPECIFICATION SHEET Thiamine Mononitrate (Vitamin B1 Mononitrate)


Item Code: 012
Updated: July 2012

Country of Origin: China

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Description	White crystal powder	Visual Perception
Identification	A. a brown ring is produced at the junction of the two liquids B. color changes to brown, and upon standing a precipitate forms C. responds to identification test A under Thiamine HCl injection D. responds to Identification test under Thiamine HCl injection	USP34 monograph USP34 monograph USP34 monograph USP34 monograph
pH	6.8 ~ 7.5	USP34 monograph
Appearance of solution	Pass	USP34 monograph
Bulk Density requirement	$\geq 0.27\text{g/cc}$	CHP2011 monograph
Loss on drying	$\leq 1.0\%$	USP34 monograph
Residue on Ignition	$\leq 0.1\%$	USP34 monograph
Residual Solvents	Complies	USP34 monograph
Chromatographic Purity	$\leq 1.0\%$	USP34 monograph
Assay	98.0-101.0%	USP34 monograph
Chloride	≤ 300 ppm	USP34 monograph
Heavy metals	≤ 20 ppm	USP34 monograph
Lead	≤ 2 ppm	USP34 monograph
Microbiology:		
Total aerobic plate count	$\leq 1,000$ cfu/g	CHP2011 monograph
Yeast & Mold	≤ 100 cfu/g	CHP2011 monograph
E. coli	Negative	CHP2011 monograph
Coliforms	Negative	CHP2011 monograph
Salmonella	Negative	CHP2011 monograph
S. aureus	Negative	CHP2011 monograph
P. aeruginosa	Negative	CHP2011 monograph

Conclusion: Conforms to USP34/BP2011 standards
Shelf life: 3 years
Packing: In cartons of 25 kgs

- Kosher certified



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