



江苏兄弟维生素有限公司

JIANGSU BROTHER VITAMINS CO., LTD.

MARINE ECONOMIC DEVELOPMENT ZONE, DAFENG DISTRICT, YANCHENG CITY,
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Thiamine Mononitrate Specification

Product Name		CAS No.	EINECS No
Thiamine Mononitrate		532-43-4	208-537-4
Characteristics		White or almost white,crystalline powder or colourless crystals	
Molecular Formula		C ₁₂ H ₁₇ N ₅ O ₄ S	
Molecular Weight		327.36	
Specifications	Item		USP
	Identification	physical and chemical	Meet the requirement
		IR	Keep conformity with the standard
	Assay,%		98.0-101.0
	pH		6.8-7.6
	Solubility		Insoluble in water, soluble in boiling water, slightly soluble in 96% ethanol and methanol
	Chloride,%		—
	Color and Clarity of Solution		Clarification, color is not deeper than Y7
	Loss on Drying,%		≤1.0
	Residue on Ignition,% (Sulfated ash,%)		≤0.1
	Heavy metals	Lead	—
		Arsenic	≤20ppm
	Related substances	Any impurity,%	≤1.0
		Total ,%	≤1.5
Residual Solvent,ppm		—	
Additional Specifications	Bulk Density	Loose, g/cm ³	0.4 - 0.5
		Tapped, g/cm ³	0.69 - 0.75
	Particle Size	60mesh,%	100
Packaging		25 kg carton/drum, 20 cartons/drums per pallet, 1000kg per batch	
Applications		Nutritional vitamin	