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Vitamin B1 (Thiamine Mononitrate) Specification

Thiamine Mononitrate, also known as Vitamin B1, is an essential vitamin that helps prevent various health problems, including heart damage. This product is commonly used for general food fortification and dietary supplements. It can be used in solid and liquid formulations.


CAS No.	532-43-4
Molecular Formula	C₁₂H₁₇N₅O₄S
Packaging	25kg
Place of origin	China
Certificate	Haccp, Kosher, Hala, ISO
Payment terms:	T/T or L/C
Port of dispatch	Shanghai, Tianjin, Qindao
Applications	Thiamine Mononitrate Powder USP is a fine white to off-white crystalline powder. It is used in food, beverage and dietary supplement applications including breads and cereals as a Vitamin B1 source.

Vitamin B1 (Thiamine HCL)

ITEM	SPECIFICATION
Description	White crystals or crystalline powder
Identification	Meet the requirement
-Color reaction	A brown ring forms at the junction of the two liquids


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-Precipitate reaction	The color of the solution changes to brown and on standing, a precipitate of lead sulfide forms
-Precipitate reaction	A white precipitate results from treatment with mercuric chloride and a red-brown precipitate results from treatment with iodine, treatment with mercuric-potassium iodide and trinitrophenol also causes precipitates to form
-Reaction of fluorescence	The air-liquid meniscus shows a vivid blue fluorescence which disappears when the mixture is slightly acidified and reappears when it is again made alkaline
Appearance of solution	Clear,not more intense than Y7
PH	6.8~7.5
Loss on drying	≤ 1.0%
Residue on ignition	≤ 0.1%
Chloride	≤0.06%
Related substances (Disregard limit:0.05%)	
-Impurity A	≤0.15%
-Impurity B	≤0.6%
-Impurity C	≤0.4%
-Unspecified impurity	≤0.10%
-Total impurities	≤1.0%

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Related compounds	≤1.0%
Residual solvent-Methanol	≤ 0.3%
Assay(on dry basis)	98.0%~102.0%
Heavy metals	
-Lead	< 0.5mg/kg
-Cadmium	< 1.0mg/kg
-Arsenic	< 1.0mg/kg
-Mercury	< 0.1mg/kg
Microbials	
Total Aerobic Microbial Count	≤ 100cfu/g
Total Yeast and Moulds Count	≤ 10cfu/g
E.Coli	Negative
Salmonella	Negative
S.Aureus	Negative

We're Vitamin B1 (Thiamine Mononitrate) **Manufacturers, Suppliers and Wholesalers** in China. Based on our 15 years in food additives & ingredients market, we have a knowledge of China market and manufacturers. We can help our abroad customers save time selecting good manufacturers and update the current market in China.

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