

Product Specification

Vitamin B1 Thiamine Hydrochloride and Thiamine Mononitrate

General Information	
Products Name	Vitamin B1 Thiamine Hydrochloride and Thiamine Mononitrate
CAS No.	67-03-8 or 532-43-4
HS Code	293625
Specification	FCC/USP
BASIC ANALYSIS	
Analysis	Description
Appearance	White or almost white, crystalline powder or colourless crystals
Identification	IR, Characteristic Reaction and Test of chlorides
Assay	98.5-101.0
pH	2.7-3.3
Absorbance of solution	≤0.025
Solubility	Freely Soluble in Water, Soluble in Glycerol, Slightly Soluble in Alcohol
Appearance of solution	Clear and not more than Y7
Sulphates	≤300PPM
Limit of nitrate	No brown ring is produced
Heavy metals	≤20 PPM
Related substances	Any impurity % ≤0.4
Water	≤5.0
Sulphated ash/Residue on ignition	≤0.1
Chromatographic purity	≤1.0
Microbial Analysis	
Total Plate Count	≤ 250
Total Yeast & Mold	≤ 50
Coliforms	≤ 3
E. Coli	Negative
Salmonella	Negative
ADDITIONAL INFORMATION	
Product Description	Vitamin B1, two forms Thiamine Hydrochloride and Thiamine Mononitrate, CAS no.67-03-8 and CAS

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	532-43-4, white or almost white, crystalline powder or small, colorless crystals. Sparingly soluble in water, freely soluble in boiling water, slightly soluble in alcohol and in methanol.
Applications and Uses	Vitamin B1 (Thiamine Hydrochloride and Thiamine Mononitrate) used in Food, Beverage, Pharmaceutical, Health & Personal care products, Agriculture/Animal Feed/Poultry. Thiamine Nitrate and Thiamine hydrochloride are two forms of Vitamin B1. Vitamin B1 (Thiamine Hydrochloride and Thiamine Mononitrate) can be used as supplement in food, feed and pharmaceuticals.
Packaging	25kg / drum; paper drum, 5kg / PE-bag; 1kg / PE-bag Inner-Packaging filled in PE-bag, filled in second PE bag PE Bags:food grade
Shelf life	3 years when properly stored Store at room temperature or lower, keep tightly closed, protect from light, humidity and insects
Safety and quality	The powder is produced in a GMP environment under strict control, which conforms to the relevant laws and regulations of the state.
Kosher Certified	Vitamin B1 Thiamine Hydrochloride and Thiamine Mononitrate is general recognized as Kosher classified as Parve.
Halal Certified	Vitamin B1(Thiamine Hydrochloride and Thiamine Mononitrate) is a type of vitamin manufactured through chemical synthesis, is generally recognized as halal.
Gluten Free	Vitamin B1 (Thiamine Hydrochloride and Thiamine Mononitrate) is gluten free and widely used in gluten free food to provide a great dietary supplement that are essential for human health to processed food.