



青 岛 润 昌 化 工 有 限 公 司
QINGDAO SAMIN CHEMICAL CO.,LTD.

SPECIFICATION

Product Name	Vitamin B1 (Thiamine HCL)
CAS No	67-03-8
Molecular Formular	C₁₂H₁₇ClN₄.HCl
Specification Version	USP35
Shelf Life	36months
Package	25kg/Drum

ITEM

Appearance
Identification
-A. Infrared absorption
-B. Chloride

pH
Water
Residue on Ignition
Absorption of solution
Limite of nitrate

Related compounds
Residual solvent

-Methanol
-Ethanol

Assay

Heavy metals

-Lead
-Cadmium
-Arsenic
-Mercury

Microbiological Characteristics

Total plate count(Plate culture)
Yeasts & Molds
E. coli & Salmonella
Staphylococcus aureus:

SPECIFICATION

White crystals or crystalline powder

Consistent with the reference IR spectra
A white curdy precipitate is formed with silver nitrate, the precipitate is insoluble in nitric acid but dissolves readily in ammonia

2.7~3.4

≤ 5.0%

≤ 0.20%

≤ 0.025

No brown ring is produced at the junction of the two layers

≤ 1.0%

≤ 0.3%

≤ 0.5%

98.0%-102.0%

≤ 0.5ppm

≤ 1.0ppm

≤ 1.0ppm

≤ 0.1ppm

≤100cfu/g

≤10cfu/g

Negative

Negative

Storage: Store in cool and dry place, in a well-close container, keep away from strong light and heat.

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