



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

SPECIFICATION

Product Name	Vitamin B1 Thiamine Mononitrate
CAS No	532-43-4
Molecular Formula	C₁₂H₁₇N₅O₄S
Specification Version	USP35
Shelf Life	48 Months
Package	25kg/Drum

ITEM

Description

Identification

-Color reaction

-Precipitate reaction

-Precipitate reaction

-Reaction of fluorescence

Appearance of solution

PH

Loss on drying

Residue on ignition

Chloride

Related substances (Disregard limit:0.05%)

-Impurity A

-Impurity B

-Impurity C

-Unspecified impurity

-Total impurities

Related compounds

Residual solvent-Methanol

Assay(on dry basis)

SPECIFICATION

White crystals or crystalline powder

Meet the requirement

A brown ring forms at the junction of the two liquids

The color of the solution changes to brown and on standing,a precipitate of lead sulfide forms

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

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

Clear,not more intense than Y7

6.8~7.5

≤ 1.0%

≤ 0.1%

≤0.06%

≤0.15%

≤0.6%

≤0.4%

≤0.10%

≤1.0%

≤1.0%

≤ 0.3%

98.0%~102.0%



Saminchem Inc

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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

SPECIFICATION

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

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