



Product Specification

Product Name: Thiamine Hydrochloride (Vitamin B1)

Alternate Name(s)

Description

White to almost white crystalline powder or colourless crystals. Sensitive to light.

Properties

Chemical Formula: $C_{12}H_{17}ClN_4OS.HCl$

Molecular Weight: 337.27

Product Code: TA063

CAS No. 67-03-8

General Information:

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 3CH8P

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 98.0 - 102.0%

Specific Properties and Impurities [Typical levels]:

Identification

(IR characteristic reaction and test of chloride) Passes test

Absorbance of solution ≤ 0.025

pH 2.7 - 3.4

Limit of Nitrate (No brown ring is produced) Passes test

Water $\leq 5.0\%$

Residue on ignition $\leq 0.2\%$

Related substances

Any impurity $\leq 0.4\%$

Total $\leq 1.0\%$

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