



SPECIFICATION

Product Code: 19400



**Product Name: THIAMINE HYDROCHLORIDE FOR BIOCHEMISTRY
(VITAMIN B₁)**

C₁₂H₁₇N₄OSCl.HCl

M.W. 337.27

Assay
(calculated with reference
to the dried substance)

NLT 98.5 % & NMT 101.5 %

Identification

B) Gives blue fluorescence
C) Gives reaction of chlorides.

pH (2.5% w/v aq. solution)

2.7 - 3.3

Related substance :

Impurity A

NMT 0.15%

Impurity B

NMT 0.3%

Impurity C

NMT 0.15%

Any unspecified Impurities

NMT 0.1%

Total impurity

NMT 0.5%

Heavy metals

NMT 20 ppm

Nitrates

No brown ring is produced.

Sulphates

NMT 300 ppm

Sulphated Ash

NMT 0.1%

Loss on Drying (at 105⁰C)

NMT 5.0%

CAS No. : 67-03-8

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Works: Plot No.B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,

Kulgaon, Badlapur (E), Dist.-Thane-421 503