

CERTIFICATE OF ANALYSIS

(Certificate No. KMT014016-01)

Release Date: 15/08/2025

Re-test Date: 14/08/2028

Thiamine EP Impurity B (chloride Hydrochloride)

Identification

Chemical Name :

3-((4-Aminopyrimidin-5-yl)methyl)-5-(2-hydroxyethyl)-4-methylthiazol-3-ium chloride hydrochloride

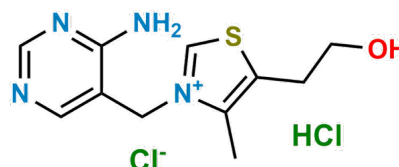
Alt. Name : 2'-Nor Thiamine ; Desmethylthiamine

CAT No. : KMT014016

CAS No. : 7770-93-6

Molecular Formula : C₁₁H₁₅N₄O₂ : Cl : HCl

Molecular Weight : 251.3 : 35.5 : 36.5



Analytical Information

Batch No. : T014016-102

Description : Light Yellow Powder

HPLC Purity : 98.05 %

Weight Loss By TGA : 0.24 %

% Potency : 97.81 %

Solubility : Acetonitrile :
Water (1:1)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.24(Weight Loss By TGA)] x [98.05(HPLC Purity)]/100 = 97.81 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		15/08/2025

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA