

CERTIFICATE OF ANALYSIS

(Certificate No. KMH003010-02)

Release Date: 05/07/2025

Re-test Date: 04/07/2028

Hydrochlorothiazide Impurity A

Identification

Chemical Name :

6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide

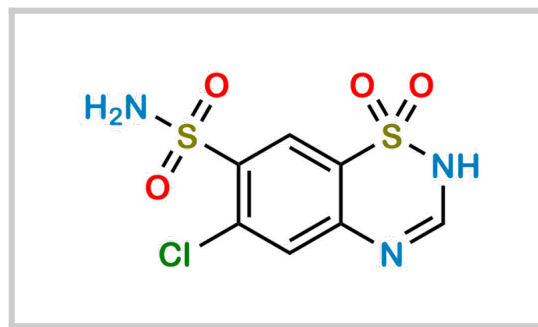
Alt. Name : 3,4-Dehydro Hydrochlorothiazide ;
Chlorothiazide (USP)

CAT No. : KMH003010

CAS No. : 58-94-6

Molecular Formula : C₇H₆ClN₃O₄S₂

Molecular Weight : 295.7



Analytical Information

Batch No. : H003010-102-114

Description : White Solid

HPLC Purity : 99.98 %

Weight Loss By TGA : 0.08 %

% Potency : 99.9 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 0.08(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.9 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Payal Kapuriya		09/07/2025
Reviewed & Approved By	Quality Control	Viraj Akabari		09/07/2025

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA