

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH003010-01)

Release Date: 12/06/2024

Re-test Date: 11/06/2027

## Hydrochlorothiazide EP Impurity A

### Identification

**Chemical Name :**  
6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide

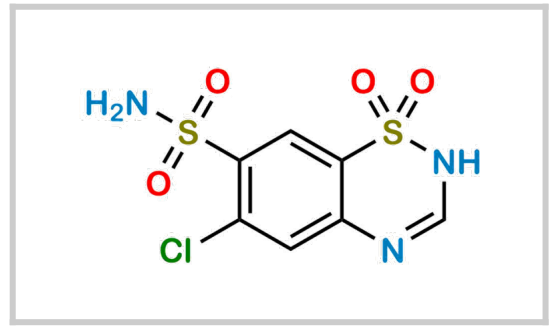
**Alt. Name** : 3,4-Dehydro Hydrochlorothiazide ;  
Chlorothiazide (USP)

**CAT No.** : KMH003010

**CAS No.** : 58-94-6

**Molecular Formula** : C<sub>7</sub>H<sub>6</sub>ClN<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

**Molecular Weight** : 295.7



### Analytical Information

**Batch No.** : HYD-CHLOR-IMP-A-019-208

**Description** : Off White Solid

**HPLC Purity** : 98.39 %

**Weight Loss By TGA** : 0.43 %

**% Potency** : 97.97 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.43(Weight Loss By TGA)] x [98.39(HPLC Purity)]/100 = 97.97 %  
-Re-tested on 12.06.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		14/11/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		14/11/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA