

CERTIFICATE OF ANALYSIS

(Certificate No. KMA052008-01)

Release Date: 02/05/2026

Re-test Date: 01/05/2029

Acetazolamide Impurity D

Identification

Chemical Name :

5-Amino-1,3,4-thiadiazole-2-sulfonamide hydrochloride (as per EP & USP)

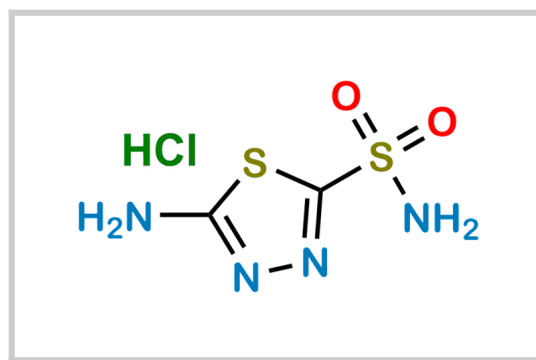
Alt. Name : Acetazolamide USP Related
Compound D ; Desacetyl
Acetazolamide (USP)

CAT No. : KMA052008

CAS No. : 120208-98-2 ; 14949-00-9 (free base)

Molecular Formula : C₂H₄N₄O₂S₂ : HCl

Molecular Weight : 180.2 : 36.5



Analytical Information

Batch No. : A052008-114-287

Description : White Solid

HPLC Purity : 99.74 %

Weight Loss By TGA : 0.21 %

% Potency : 99.53 %

Solubility : Water

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 - 0.21(Weight Loss By TGA)] x [99.74(HPLC Purity)]/100 = 99.53 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/05/2026
Reviewed & Approved By	Quality Control	Parag Vekariya		02/05/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA