CERTIFICATE OF ANALYSIS

(Certificate No. KMA052008-01)

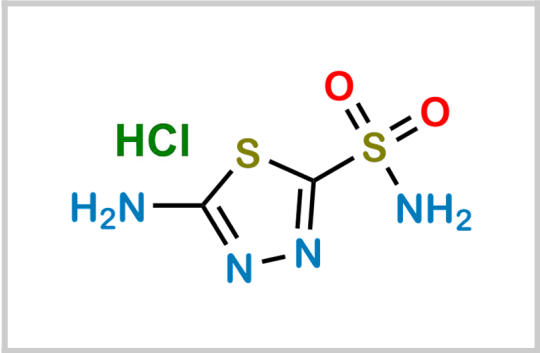
Release Date: 02/05/2026 **Re-test Date:** 01/05/2029

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	**Solubility**	: Water
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.74 %	**IR**	: Confirm
Weight Loss By TGA	: 0.21 %	**1H NMR**	: Confirm
% Potency	: 99.53 %		

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, 1HNMR, IR and TGA