

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA052009-01)

Release Date: 02/05/2026

Re-test Date: 01/05/2029

## Acetazolamide Impurity E

### Identification

**Chemical Name :**

5-Acetamido-1,3,4-thiadiazole-2-sulfonic acid (as per EP & USP)

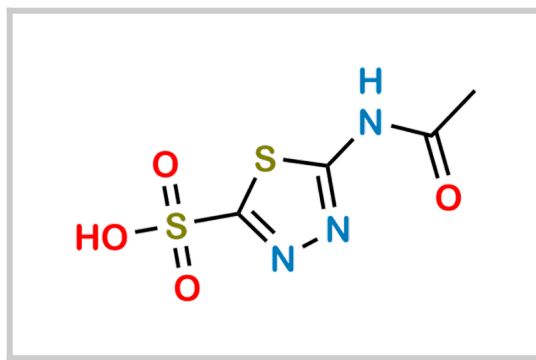
**Alt. Name** : Acetazolamide USP Related  
Compound E ; Acetazolamide Acid  
Analog (USP)

**CAT No.** : KMA052009

**CAS No.** : 827026-60-8

**Molecular Formula** : C<sub>4</sub>H<sub>5</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

**Molecular Weight** : 223.2



### Analytical Information

**Batch No.** : A052009-114-295

**Description** : White Solid

**HPLC Purity** : 99.89 %

**Weight Loss By TGA** : 0.89 %

**% Potency** : 99 %

**Solubility** : Water

**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 - 0.89(Weight Loss By TGA)] x [99.89(HPLC Purity)]/100 = 99 %

**Recommendation** : Released

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

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