

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS015006-01)

Release Date: 29/08/2024

Re-test Date: 28/08/2027

## Sulfamethoxazole Related Compound A

### Identification

**Chemical Name :**

N-[4-[(5-Methylisoxazol-3-yl)sulfamoyl]phenyl]acetamide (as per EP) ; N-{4-[N-(5-methylisoxazol-3-yl)sulfamoyl]phenyl}acetamide (as per USP)

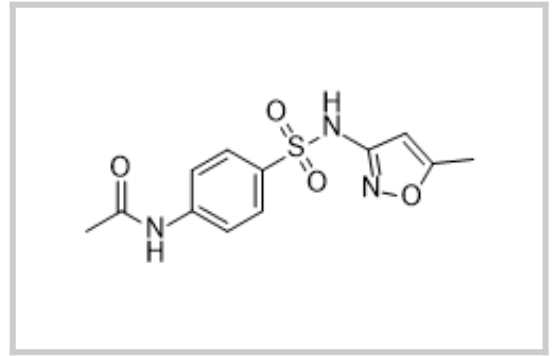
**Alt. Name** : Sulfamethoxazole USP Related Compound A ; N-Acetyl Sulfamethoxazole

**CAT No.** : KMS015006

**CAS No.** : 21312-10-7

**Molecular Formula** : C<sub>12</sub>H<sub>13</sub>N<sub>3</sub>O<sub>4</sub>S

**Molecular Weight** : 295.3



### Analytical Information

**Batch No.** : Sulp-RC-A-019-247

**Description** : Off White Solid

**HPLC Purity** : 95.67 %

**Weight Loss By TGA** : 0.57 %

**% Potency** : 95.12 %

**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 - 0.57(Weight Loss By TGA)] x [95.67(HPLC Purity)]/100 = 95.12 %

-Re-tested on 29.08.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		30/08/2024

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