

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)

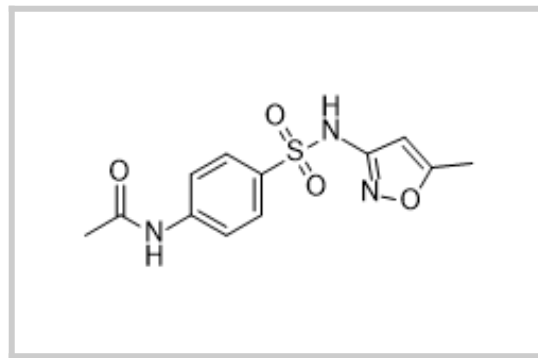
Alt. Name : Sulfamethoxazole USP Related Compound A ; N-Acetyl Sulfamethoxazole

CAT No. : KMS015006

CAS No. : 21312-10-7

Molecular Formula : C₁₂H₁₃N₃O₄S

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

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 - 0.57(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, ¹HNMR, IR and TGA