

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001002-01)

Release Date: 15/07/2022

Re-test Date: 14/07/2025

## Omeprazole Sulfone

### Identification

**Chemical Name :**

5-methoxy-2-(((4-methoxy-3,5-dimethylpyridin-2-yl)methyl)sulfonyl)-1H-benzo[d]imidazole

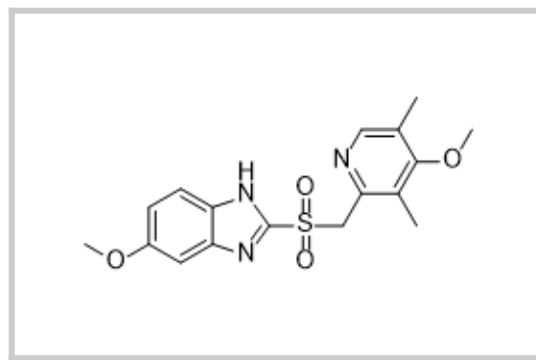
**Alt. Name** : Omeprazole USP Related Compound A , Omeprazole sulphone , Esomeprazole EP Impurity D

**CAT No.** : KMO001002

**CAS No.** : 88546-55-8

**Molecular Formula** : C17H19N3O4S

**Molecular Weight** : 361.42



### Analytical Information

**Batch No.** : ESO-SUL-030-217

**Description** : Off White Solid

**HPLC Purity** : 99.93 %

**Weight Loss By TGA** : 0.43 %

**% Potency** : 99.5 %

**Solubility** : ACN

**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** =  $[100 - 0.43(\text{Weight Loss By TGA})] \times [99.93(\text{HPLC Purity})]/100 = 99.5 \%$

Remarks : COA Re-generated on 16.07.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		16/07/2024

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA