

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001004-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

## Ufiprazole

### Identification

**Chemical Name :**

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

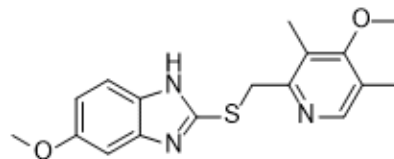
**Alt. Name** : Esomeprazole EP Impurity C ,  
Omeprazole Sulfide , Ufiprazole

**CAT No.** : KMO001004

**CAS No.** : 73590-85-9

**Molecular Formula** : C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 329.42



### Analytical Information

**Batch No.** : OME-EPC-073-060

**Description** : White Solid

**HPLC Purity** : 99.67 %

**Weight Loss By TGA** : 0.45 %

**% Potency** : 99.22 %

**Solubility** : ACN : Water (1:1)

**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 - 0.45(Weight Loss By TGA)] x [99.67(HPLC Purity)]/100 = 99.22 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		22/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/02/2024

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