

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001008-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

## Omeprazole OME VIII

### Identification

**Chemical Name :**

8-methoxy-1,3-dimethyl-12-thioxobenzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridin-2(12H)-one

**Alt. Name**

: Omeprazole BP Impurity F , Isomer of  
Omeprazole EP Impurity G ,  
Omeprazole USP Related Compound F

**CAT No.**

: KMO001008

**CAS No.**

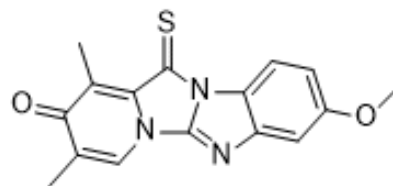
: 125656-82-8

**Molecular Formula**

: C<sub>16</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight**

: 311.36



### Analytical Information

**Batch No.**

: OME-RCF-073-088

**Solubility**

: THF

**Description**

: Brown Solid

**Mass**

: Confirm

**HPLC Purity**

: 92.94 %

**IR**

: Confirm

**Weight Loss By TGA**

: 1.59 %

**<sup>1</sup>H NMR**

: Confirm

**% Potency**

: 91.46 %

### 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 - 1.59(Weight Loss By TGA)] x [92.94(HPLC Purity)]/100 = 91.46 %

**Recommendation**

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh 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