

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMO001008-02)

**Release Date:** 03/02/2026

**Re-test Date:** 02/02/2029

## **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

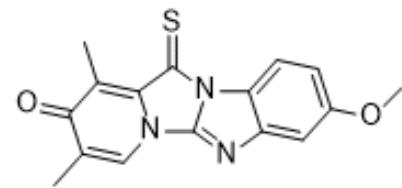
**Alt. Name** : Omeprazole BP Impurity F , Isomer of Omeprazole EP Impurity G , Omeprazole USP Related Compound F

**CAT No.** : KMO001008

**CAS No.** : 125656-82-8

**Molecular Formula** : C16H13N3O2S

**Molecular Weight** : 311.36



### **Analytical Information**

**Batch No.** : O001008-114-136

**Solubility** : THF

**Description** : Brown Solid

**Mass** : Confirm

**HPLC Purity** : 92.14 %

**IR** : Confirm

**Weight Loss By TGA** : 1.72 %

**1H NMR** : Confirm

**% Potency** : 90.56 %

### **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 - 1.72(Weight Loss By TGA)] x [92.14(HPLC Purity)]/100 = 90.56 %

**Recommendation** : Released

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		03/02/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		03/02/2026

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