

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMO001001-02)

**Release Date:** 12/01/2026

**Re-test Date:** 11/01/2029

## **Omeprazole OME I**

### **Identification**

#### **Chemical Name :**

4-methoxy-2-(((5-methoxy-1H-benzo[d]imidazol-2-yl)sulfonyl)methyl)-3,5-dimethylpyridine 1-oxide

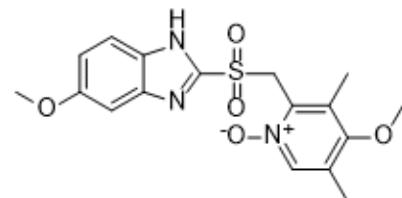
**Alt. Name** : Omeprazole USP Related Compound I, Omeprazole Sulfone N-Oxide

**CAT No.** : KMO001001

**CAS No.** : 158812-85-2

**Molecular Formula** : C17H19N3O5S

**Molecular Weight** : 377.41



### **Analytical Information**

**Batch No.** : O001001-114-019

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

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 99.87 %

**IR** : Confirm

**Weight Loss By TGA** : 0.60 %

**1H NMR** : Confirm

**% Potency** : 99.27 %

### **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 - 0.60(Weight Loss By TGA)] x [99.87(HPLC Purity)]/100 = 99.27 %

**Recommendation** : Released

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		13/01/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		13/01/2026

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