

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMO001012-02)

**Release Date:** 28/01/2026

**Re-test Date:** 27/01/2029

## **Omeprazole OME XII**

### **Identification**

**Chemical Name :**

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

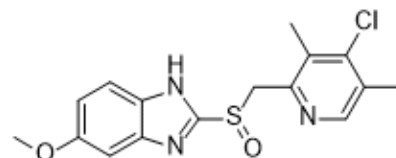
**Alt. Name** : 4-Desmethoxy-4-chloro Omeprazole

**CAT No.** : KMO001012

**CAS No.** : 863029-89-4

**Molecular Formula** : C<sub>16</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 349.84



### **Analytical Information**

**Batch No.** : O001012-114-117

**Description** : Off White Solid

**HPLC Purity** : 97.42 %

**Weight Loss By TGA** : 2.51 %

**% Potency** : 94.97 %

**Solubility** : ACN

**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 - 2.51(Weight Loss By TGA)] x [97.42(HPLC Purity)]/100 = 94.97 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		28/01/2026

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