

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KML003014-01)

**Release Date:** 08/07/2024

**Re-test Date:** 07/07/2027

## **LANSOPRAZOLE IMPURITY E**

### **Identification**

**Chemical Name :**

1H-Benzimidazole-2-thiol ; 2-Mercaptobenzimidazole ;

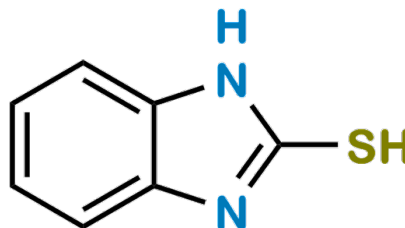
**Alt. Name** : Rabeprazole USP Related Compound  
C ; Rabeprazole Mercapto Impurity

**CAT No.** : KML003014

**CAS No.** : 583-39-1

**Molecular Formula** : C7H6N2S

**Molecular Weight** : 150.2



### **Analytical Information**

**Batch No.** : MISC-2-MER-019-335

**Description** : White Solid

**HPLC Purity** : 99.76 %

**Weight Loss By TGA** : 0.20 %

**% Potency** : 99.56 %

**Solubility** : Acetonitrile

**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 - 0.20(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 99.56 %  
-Re-tested on 08.07.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		21/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/04/2025

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