CERTIFICATE OF ANALYSIS

(Certificate No. KMR014003-01)

Release Date: 08/07/2024 **Re-test Date:** 07/07/2027

Rabeprazole Related Compound E

Identification

Chemical Name:

 $2\hbox{-}(((4\hbox{-}(3\hbox{-methoxypropoxy})\hbox{-}3\hbox{-methylpyridin-}2\hbox{-}yl)methyl)thio)\hbox{-}1H-benzo[d]imidazole$

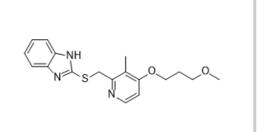
Alt. Name : Rabeprazole USP Related Compound

E; Rabeprazole Sulfide

CAT No. : KMR014003 **CAS No.** : 117977-21-6

Molecular Formula : C18H21N3O2S

Molecular Weight : 343.44



Analytical Information

information

Description : White Solid

HPLC Purity : 99.71 %

IR : Confirm

Weight Loss By TGA : 0.14 %

1H NMR : Confirm

% Potency : 99.57 %

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 - 0.14(Weight Loss By TGA)] x [99.71(HPLC Purity)]/100 = 99.57 %

-Buffer Solution: Dissolve 17.4 g of dibasic potassium phosphate in 950 mL of water, adjust pH with 2N

potassium hydroxide to a pH of 11.3, and dilute with water to 1000 mL.

-Solubility: Methanol: Buffer Solution (20:80)

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/07/2024
Reviewed & Approved By	Quality Control			09/07/2024

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