CERTIFICATE OF ANALYSIS

(Certificate No. KMR014004-01)

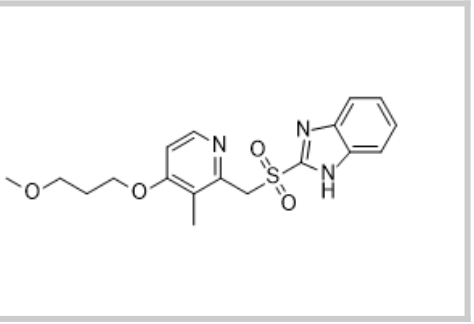
Release Date: 07/08/2024 **Re-test Date:** 06/08/2027

Rabeprazole Sulfone(Rabeprazole EP Impurity A)

Identification

Chemical Name :
2-(((4-(3-methoxypropoxy)-3-methylpyridin-2-yl)methyl)sulfonyl)-1H-benzo[d]imidazole

Alt. Name	: Rabeprazole USP Related Compound D ; Rabeprazole Sulfone
CAT No.	: KMR014004
CAS No.	: 117976-47-3
Molecular Formula	: C18H21N3O4S
Molecular Weight	: 375.44



Analytical Information

Batch No.	: RAB-S-OXIDE-019-012
Description	: Off White Solid
HPLC Purity	: 99.45%
Weight Loss By TGA	: 0.18%
% Potency	: 99.27 %
Solubility	: Refer Additional information
Mass	: Confirm
IR	: Confirm
1H 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 - 0.18(Weight Loss By TGA)] x [99.45(HPLC Purity)]/100 = 99.27 %
-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)
-Re-tested on 07.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		25/07/2025

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