CERTIFICATE OF ANALYSIS

(Certificate No. KMR014003-01)

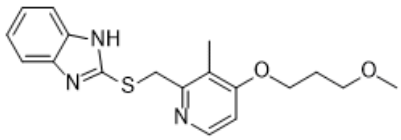
Release Date: 10/12/2025 **Re-test Date:** 09/12/2028

RBRC-3

Identification

Chemical Name :
2-(((4-(3-methoxypropoxy)-3-methylpyridin-2-yl)methyl)thio)-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

Batch No.	: RAB-RC-E-045-235
Description	: White Solid
HPLC Purity	: 99.56 %
Weight Loss By TGA	: 0.25 %
% Potency	: 99.31 %
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 - 0.25(Weight Loss By TGA)] x [99.56(HPLC Purity)]/100 = 99.31 %
-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 10.12.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/12/2025

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