CERTIFICATE OF ANALYSIS

(Certificate No. KME013036-02)

Release Date: 16/10/2026 **Re-test Date:** 15/10/2029

Esomeprazole Magnesium Trihydrate

Identification

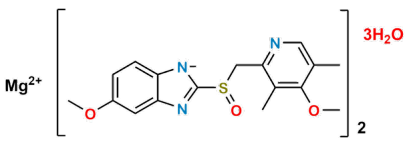
Chemical Name :
5-Methoxy-2-[(S)-[(4-methoxy-3,5-dimethyl-2-pyridyl)methyl]sulfinyl] benzimidazole magnesium salt (2:1), triydrate ;

CAT No. : KME013036

CAS No. : 217087-09-7

Molecular Formula : C34H36MgN6O6S2 : 3(H2O)

Molecular Weight : 767.2 : 3(18.0)



Analytical Information

Batch No.	: E013036-136-270	**Solubility**	: Methanol
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.96 %	**IR**	: Confirm
Weight Loss By TGA	: 0.06 %	**1H NMR**	: Confirm
% Potency	: 99.9 %	**13C 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 - 0.06(Weight Loss By TGA)] x [99.96(HPLC Purity)]/100 = 99.9 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA