CERTIFICATE OF ANALYSIS

(Certificate No. KMO001006-01)

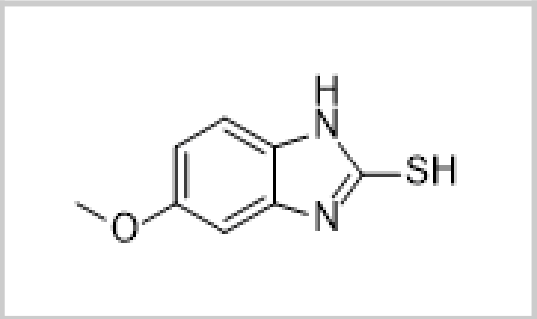
Release Date: 22/02/2024 **Re-test Date:** 21/02/2027

Omeprazole EP Impurity A

Identification

Chemical Name :
5-methoxy-1H-benzo[d]imidazole-2-thiol

Alt. Name	: Esomeprazole EP Impurity A , Omeprazole USP Related Compound B
CAT No.	: KMO001006
CAS No.	: 37052-78-1
Molecular Formula	: C8H8N2OS
Molecular Weight	: 180.23



Analytical Information

Batch No.	: OME-EPA-073-062	**Solubility**	: ACN : Water (1:1)
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.66 %	**IR**	: Confirm
Weight Loss By TGA	: 0.04 %	**1H NMR**	: Confirm
% Potency	: 99.62 %		

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 - 0.04(Weight Loss By TGA)] x [99.66(HPLC Purity)]/100 = 99.62 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		11/04/2026
Reviewed & Approved By	Quality Control	Jatin Patel		11/04/2026

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