CERTIFICATE OF ANALYSIS

(Certificate No. KMO001003-01)

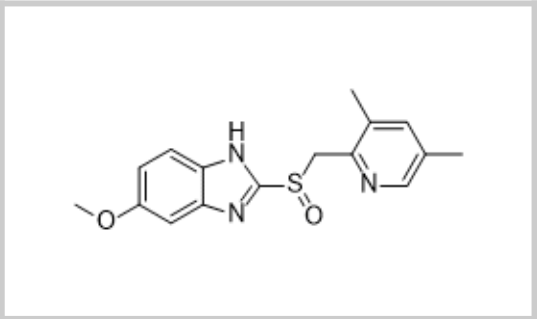
Release Date: 11/02/2026 **Re-test Date:** 10/02/2029

Omeprazole Impurity B

Identification

Chemical Name :
2-(((3,5-dimethylpyridin-2-yl)methyl)sulfinyl)-5-methoxy-1H-benzo[d]imidazole

Alt. Name	: Esomeprazole EP Impurity B , 4-Desmethoxy Omeprazole
CAT No.	: KMO001003
CAS No.	: 110374-16-8
Molecular Formula	: C16H17N3O2S
Molecular Weight	: 315.39



Analytical Information

Batch No.	: OME-DM-045-019	**Solubility**	: ACN : Water (1:1)
Description	: Brown Solid	**Mass**	: Confirm
HPLC Purity	: 95.66 %	**IR**	: Confirm
Weight Loss By TGA	: 1.78 %	**1H NMR**	: Confirm
% Potency	: 93.96 %		

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 - 1.78(Weight Loss By TGA)] x [95.66(HPLC Purity)]/100 = 93.96 %
-Re-tested on 11.02.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		12/02/2026

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