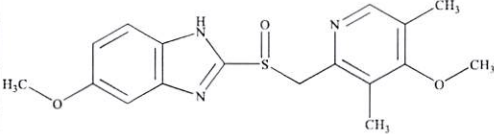


Certificate of Analysis



Certificate No.: **20250304503**

Date: March 4, 2025

Retest date: February 28, 2028

Compound Name:	Omeprazole	
Synonyms:	5-methoxy-2-(((4-methoxy-3,5-dimethylpyridin-2-yl)methyl)sulfinyl)-1H-benzo[d]imidazole	
TLC Catalogue Number:	O-0219	
CAS Number:	73590-58-6	
Alternate CAS Number:	N/A	
Molecular Weight:	345.42	
Molecular Formula:	C ₁₇ H ₁₉ N ₃ O ₃ S	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	2548-098A1	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, Ethanol	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.0%
Residue (TGA at 900 °C)	N/A	0.2%
Residual Solvents (NMR)	0.2% acetonitrile	
Assay (%)	Not less than 90.0%	99.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/04/2025
Approved by:	Quality Assurance		03/04/2025

Attachments: Peak Attribution Table, HPLC, IR, MS, NMR and TGA spectra.