

CERTIFICATE OF ANALYSIS

(Certificate No. KMO001005-01)

Release Date: 21/02/2024

Re-test Date: 20/02/2027

Omeprazole OME V

Identification

Chemical Name :

4-methoxy-2-(((5-methoxy-1H-benzo[d]imidazol-2-yl)sulfinyl)methyl)-3,5-dimethylpyridine 1-oxide

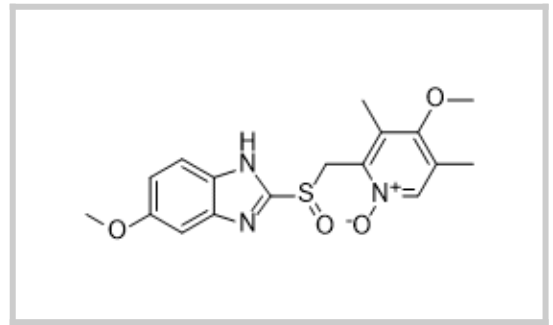
Alt. Name : Omeprazole USP Related Compound E , Omeprazole N-oxide

CAT No. : KMO001005

CAS No. : 176219-04-8

Molecular Formula : C17H19N3O4S

Molecular Weight : 361.42



Analytical Information

Batch No. : OME-NO-030-236

Description : Off White Solid

HPLC Purity : 99.20 %

Weight Loss By TGA : 0.34 %

% Potency : 98.86 %

Solubility : ACN : Water (1:1)

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 = $[100 - 0.34(\text{Weight Loss By TGA})] \times [99.20(\text{HPLC Purity})]/100 = 98.86 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		21/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		21/02/2024

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