Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

CERTIFICATE OF ANALYSIS

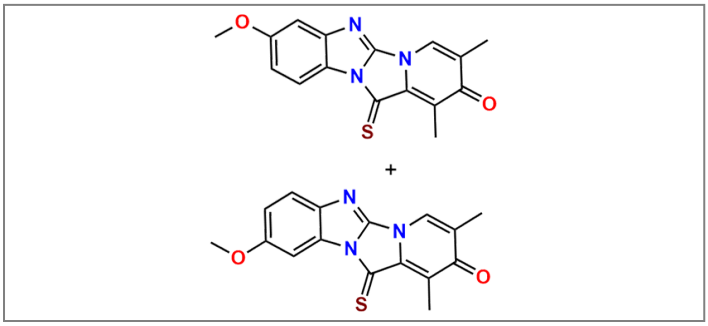
Analysis Date: Aug 2025 Re-test Date: Jul 2028

Product Name: Omeprazole EP Impurity F and G mixture

Identification:

Chemical Name: 8-Methoxy-1,3-dimethyl-12-thioxobenzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridin-2(12H)-one compound with 9-methoxy-1,3-dimethyl-12-thioxobenzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridin-2(12H)-one (1:1)

Synonyms	:	Omeprazole related Impurity F and G mixture
CAS Number	:	NA
CAT Number	:	CP-O9019
Molecular Formula	:	C16H13N3O2S : C16H13N3O2S
Molecular Weight	:	311.36 : 311.36
Batch Number	:	CHEM-OME-FG
Storage Condition	:	Tightly closed, Inert atmosphere at 2 to 8° C
Shipping condition	:	All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Brown Solid
2)	Solubility	Soluble in Methanol
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	37.70% (RT-13.496)+59.52%(RT- 13.698) Total Purity = 97.22%
5)	1HNMR	Confirm to structure

Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.