

**manasa**TM

Life Sciences

Quality and Reliability...

(An ISO 9001:2015 & 17034:2016 Certified Company)

Standard Material Certificate of Analysis

Product Name	Piroxicam Reference Standard				
Chemical name	4-Hydroxy-2-methyl-N-2-pyridinyl-2H-1,2-benzothiazine-3-carboxamide 1,1-Dioxide; 2H-1,2-Benzothiazine-3-carboxamide, 4-hydroxy-2-methyl-N-2-pyridinyl-,1,1-dioxide; 4-Hydroxy-2-methyl-N-2-pyridyl-2H -1,2-benzothiazine-3-carboxamide 1,1-dioxide (USP);				
CAS Number	36322-90-4	Lot Qty.	50.0 g	M. Wt.	331.35 g/mol
Lot Number	MLS-PXM-STD/001	Mfg.	May-2026		
Molecular formula	C ₁₅ H ₁₃ N ₃ O ₄ S	Retest	May-2028		
COA Date	25-05-2026	Shipment & Storage	Shipment: Room temperature.		
Catalogue Number	MLS-PXM-STD		Long term storage: Refrigerator		
USP Ref.B.No.	R10290		2-8°C		
Chemical structure	 <chem>CN1C=CC(=C2C=CC=CC=C2S1(=O)O)C(=O)Nc3cccnc3</chem>				
S. No.	Test Name	Specifications			Results
1	Description	Off-White to Pale Yellow Solid			Complies
2	Identification	Spectral data should confirm the chemical structure.			Complies (Results: Annex-1)
	1. ¹ H NMR				
	2. MASS				
3. FT-IR	Spectral data should confirm the chemical structure			Complies (Results: Annex-2)	
3	Purity by HPLC	Not less than 95.0%			99.63% (Results: Annex-4)
4	Water content by KF	Not more than 2.0%			0.236% (Results: Annex-5)
5	Potency	Not less than 90.0%			99.39%

Note:

1. This standard material can be used for qualitative analysis only.
2. Potency Calculation: Potency % = [(100-(Water content by KF)) x (100-% Total Impurities by HPLC)]/100.
3. Caution: Do not dry the material. Use as such. Only for analytical purpose, not for human consumption
4. Traceability: Weigh measurements are done on the balance calibrated with OIML R 111-1 (E) compliant weights, Volumetric measurements and others determinations are traceable to SI units, Gravimetric determinations are traceable to NIST standards.
5. Expanded Uncertainty: 0.23%

Prepared by	Authorized by



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