



ISO 9001:2015 CERTIFIED CERTIFICATE OF ANALYSIS

Product Name	Thiothixene impurity (DHTS impurity)		
Molecular Formula	C ₂₃ H ₂₉ N ₃ O ₃ S ₂	The chemical structure of Thiothixene impurity (DHTS impurity) is shown. It features a thioxanthene core with a phenyl group at position 10 and a propylidene chain at position 9. The propylidene chain is substituted with a 2-hydroxy-3-(4-methylpiperazin-1-yl) group. The thioxanthene core has a sulfonamide group at position 2. The structure is color-coded: Sulfur (S) is yellow, Nitrogen (N) is blue, and Oxygen (O) is red.	
Molecular Weight	459.62		
Batch Number	XX-XXXX		
Batch Quantity	XXX		
Date of Manufacturing	DD-MM-YYYY		
Date of Analysis	DD-MM-YYYY		
Next Retest Date	DD-MM-YYYY		
Catalogue Number	DCTI-C-000049		
CAS Number	NA		
COA Number	PA-XXXX		
IUPAC Name	(Z)-9-(2-hydroxy-3-(4-methylpiperazin-1-yl)propylidene)-N , N-dimethyl-9H-thioxanthene-2-sulfonamide		
Storage and Handling	2-8°C		

Sl. No	* Test	Result
	Description	
1.	Identification i) By IR ii) By NMR iii) By MS	--
2.	Chromatographic Purity (% by HPLC)	--

Remarks: *Test or tests as mentioned above may vary as per the product nature or customer's requirement

Function	Compiled by	Reviewed by	Reviewed by	Approved by
Name	xxx	xxx	xxx	xxx
Department	Pharma Standards QC	Pharma Standards QC	Quality Assurance	Quality Assurance
Sign and Date				

Attachments	IR, NMR, MS spectra, HPLC Chromatogram.
Date of Shipment	DD-MMM-YYYY

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