



ISO 9001:2015 CERTIFIED CERTIFICATE OF ANALYSIS

Product Name	Lurasidone Endo-RS+SR Isomer (Cis-Endo)	
Molecular Formula	C ₂₈ H ₃₆ N ₄ O ₂ S	The chemical structure of Lurasidone Endo-RS+SR Isomer (Cis-Endo) is shown. It features a hexahydro-1H-4,7-methanoisoindole-1,3-dione core. The 2-position of the dione is substituted with a (1RS,2SR)-2-((4-(benzo[d]isothiazol-3-yl) piperazin-1-yl) methyl) cyclohexyl methyl group. The stereochemistry is indicated with wedged and dashed bonds. The benzo[d]isothiazol-3-yl group is attached to the piperazine ring via its nitrogen atom.
Molecular Weight	492.68	
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-1708	
CAS Number	NA	
COA Number	PA-XXXX	
IUPAC Name	(3aR,4R,7S,7aS)-2-(((1RS,2SR)-2-((4-(benzo[d]isothiazol-3-yl) piperazin-1-yl) methyl) cyclohexyl) methyl) hexahydro-1H-4,7-methanoisoindole-1,3(2H)-Dione	
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