



Synfine Drugs Pvt. Ltd.

Survey No. 637, Temple Road, Bonthapally (Village),
Gummadidala(Mandal), Sangareddy (Dist) -502 313, Telangana, India
Tel: +91-40-23095094

CERTIFICATE OF ANALYSIS

Product Name	METRONIDAZOLE USP		
Molecular Formula	C ₆ H ₉ N ₃ O ₃	Molecular Weight	171.2 g/mol
Batch Number	SFDMNZ26002	CAS Number	[443-48-1]
Batch Quantity	101.5 Kg	Dispatch Quantity	100.0 Kg
Analysis Date	25.07.2026	A.R. No	FP0726007
Mfg. Date	July.-2026	Retest Date	June-2027

S. No	Test Parameters	Specifications	Result
1.0	Description	White to Pale yellow, crystalline powder.	Pale yellow crystalline powder.
2.0	Solubility	Soluble in dilute hydrochloric acid (1 in 2), Sparingly soluble in water and in alcohol, slightly soluble in ether and chloroform.	Complies
3.0	Identification		
3.1	By IR	The IR spectrum of the sample should be concordant with the standard spectrum.	Complies
3.2	By HPLC	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the chromatographic Assay by HPLC.	Complies
4.0	Loss on drying (at 105°C for 2hrs.) (%w/w)	Not more than 0.5	0.25
5.0	Residue on Ignition (%w/w)	Not more than 0.1	0.04
6.0	Organic Impurities by HPLC (%w/w)		
6.1	Tinidazole Related Compound -A	Not more than 0.1	0.01
6.2	Any single unspecified impurity	Not more than 0.1	0.01
6.3	Total impurities	Not more than 0.2	0.06
7.0	Assay by HPLC (%w/w)(On dried basis)	Not Less than 99.0 and Not more than 101.0.	99.95



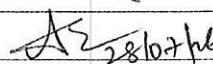
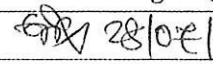
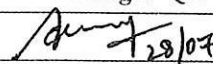
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S. No	Test	Specification	Results
9.C	Residual Solvents (By GC-IIS) (PPM)		
9.1	Methanol	Not more than 3000	Not Detected
9.2	Ethyl acetate	Not more than 5000	Not Detected
9.3	Acetonitrile	Not more than 410	60.15

Result: The Product Conforms to the Specification. No: SFD/QC/STP/FP/MNZ/003-01.

	Prepared by	Reviewed by	Approved by
Name	P.Archana	G.Venkateswarlu	K.Arun
Designation & Department	Chemist-QC	Manager-QC	Manager-QA
Sign & Date	 28/07/2026	 28/07/2026	 28/07/2026

Format No.:FM01/QC045/00

Effective Date:01.01.2024

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