



## 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 <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub> | Molecular Weight  | 171.2 g/mol |
| Batch Number      | SFDMNZ26003                                                 | CAS Number        | [443-48-1]  |
| Batch Quantity    | 102.1 Kg                                                    | Dispatch Quantity | 50.0 Kg     |
| Analysis Date     | 25.07.2026                                                  | A.R. No           | FP0726008   |
| 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                                                                                                                                           | 0.24                            |
| 5.0   | Residue on Ignition (%w/w)                 | Not more than 0.1                                                                                                                                           | 0.05                            |
| 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.                                                                                                                 | 100.03                          |



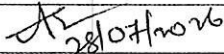
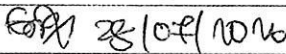
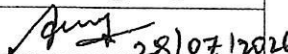
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| S. No | Test                               | Specification      | Results      |
|-------|------------------------------------|--------------------|--------------|
| 9.0   | Residual Solvents (By GC-MS) (PPM) |                    |              |
| 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  | Not Detected |

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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