



**CERTIFICATE OF ANALYSIS**

**CIMETIDINE USP GRADE**

| <b>TEST</b>            | <b>SPECIFICATIONS</b>  | <b>TEST RESULTS</b> |
|------------------------|--|---------------------|
| Characteristics        | White to off-white, crystalline powder; odourless, or having a slight mercaptan odor | Conforms            |
| Identification         |  |                     |
| IR absorption          | Should conform   | Conforms            |
| UV absorption          | Should conform   | Conforms            |
| Melting range          | Between 139°C and 144°C  | 140.4 ~141.6°C      |
| Loss on drying         | Not more than 1.0%   | 0.10%               |
| Residue on ignition    | Not more than 0.2%   | 0.020%              |
| Heavy metals           | Not more than 20ppm  | Conforms            |
| Chromatographic purity | Should conform   | Conforms            |
| Assay                  | Between 98.0% and 102.0%   | 99.88%              |
| Conclusion             | Complies with USP  |                     |