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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Sulfamerazine (In House Standard)**

### Identification:

Chemical Name: 4-Amino-N-(4-methylpyrimidin-2-yl)benzenesulfonamide

Synonyms : NA

CAS Number : 127-79-7

CAT Number : CP-S105000

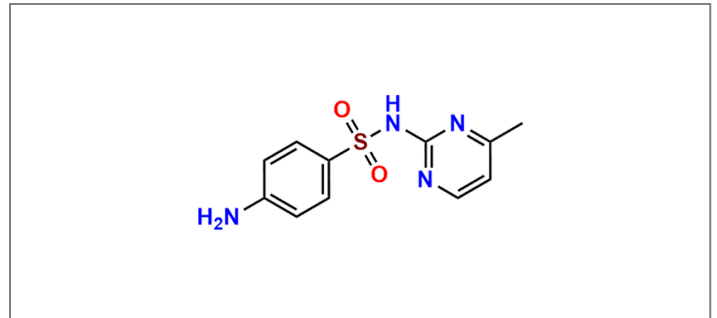
Molecular Formula : C<sub>11</sub>H<sub>12</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular Weight : 264.3

Batch Number : CP-SUL-IN-1024

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

| Sr. No. | Test               | Result                   |
|---------|--------------------|--------------------------|
| 1)      | Description        | White Solid              |
| 2)      | Solubility         | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS       | Confirm to structure     |
| 4)      | Purity By HPLC     | 99.41%                   |
| 5)      | H1NMR              | Confirm to structure     |
| 6)      | 13CNMR             | Confirm to Structure     |
| 7)      | IR                 | Confirm to Structure     |
| 8)      | Weight loss by TGA | 7.163%                   |
| 9)      | Potency by TGA     | 92.52%                   |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.