



## Specification

### Sulfamethoxazole

**CAS Number:** 723-46-6  
**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight:** 253.3  
**Storage:** 15°C - 30°C

Test	Specification
Appearance:	White to Off White Crystalline Powder
Infrared Spectrum:	Conforms to Structure
Loss on Drying:	≤ 0.5 %
Residue on Ignition:	≤ 0.1 %
Related Substance (Sulfanilic acid):	≤ 0.10 %
Related Substance (Sulfanilamide):	≤ 0.10 %
Related Substance (Impurity C, A):	≤ 0.10 %
Related Substance (Impurity B):	≤ 0.10 %
Related Substance (Impurity F):	≤ 0.10 %
Any other Impurity:	≤ 0.10 %
Total impurities:	≤ 0.30 %
Assay (Titration):	99.0 - 101.0 %

Approved:

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