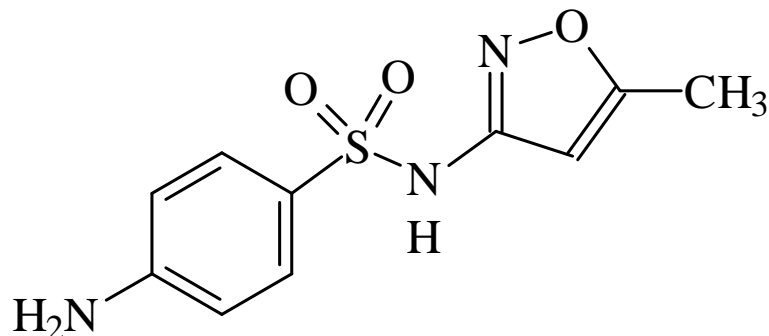


# SULFAMETHOXAZOLE

USP/ BP



Globe Reference:  
CUSP 5010061

<b>Formula</b>	C <sub>10</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub> S M.W. 253.3 4-amino-N-(5-methyl-3-isoxazolyl)benzenesulfonamide
<b>Action and use</b>	Antibacterial
<b>Characteristics</b>	White to off-white practically odourless, crystalline powder
<b>Solubility</b>	Conform
<b>Identification</b>	
<b>A. Infrared spectrum</b>	Conform
<b>B. Ultraviolet spectrum</b>	Conform
<b>C. Primary aromatic amines reaction</b>	Positive
<b>Essays</b>	
<b>• Melting range</b>	Between 168° and 172°C
<b>• Loss on drying</b>	Not more than 0.5 per cent
<b>• Residue on ignition</b>	Not more than 0.1 per cent
<b>• Selenium</b>	Not more than 0.003 per cent
<b>• Sulfanilamide and sulfanilic acid</b>	Not more than 0.2 per cent
<b>• Organic volatile impurities</b>	Conform
<b>Assay</b>	
<b>• Sulphamethoxazole in g by 100 g of dried substance</b>	99.0 to 101.0 per cent
<b>Storage</b>	In well-closed containers
<b>Packaging</b>	50 Kg fiber drum with double polyethylene bags



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TECHNOLOGICAL EXPERTISE

SYSTEM OF MANAGEMENT QUALITY **ISO-9001/2000**

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