

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 00821 |
| Lot Number | 001204-20140510 |
| Product | Sulfamethoxazole 4-Amino-N-(5-methyl-3-isoxazolyl)benzenesulfonamide N1-(5-Methylisoxazol-3-yl)sulfanilamide |
| CAS Number | 723-46-6 |
| Molecular Formula | C ₁₀ H ₁₁ N ₃ O ₃ S |
| Molecular Weight | 253.3 |

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|-------------------------------|---|
| Appearance | White to off-white crystalline powder |
| Solubility | Practically insoluble in water, ether and chloroform. Freely soluble in acetone and in dilute solution of potassium and sodium hydroxide. Sparingly soluble in alcohol. |
| Melting Point | 170.5-170.6 °C |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | 0.2% |
| Related Substances | Sulfanilamide: < 0.2% Sulfanilic acid: < 0.2% |
| Residue On Ignition | 0.04% |
| Assay by titration | 99.50% (anhydrous basis) |
| Purity by UV | Conforms |
| Grade | USP |
| Storage | Store at 0-8 °C |
| Additional Information | Selenium (Se): < 0.003% Chemical Test: Passes test |
| Manufacturing Date | 5/8/2014 |

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager