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Certificate of Analysis

Product Description: Sulfamethoxazole
Catalog Number: 156711
Lot: SR03192**Formula:** $C_{10}H_{11}N_3O_3S$
CAS #: 723-46-6
Physical Description: Off-white Crystalline Powder**Formula Weight:** 253.30
Storage: 15 - 30°C, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	165 - 175°C	170.1 - 170.3°C

Loss on Drying: 0.2%
Residue on Ignition: 0.04%
Selenium: <0.003%
Sulphanilic Acid and Sulphanilamide: Not Detected
Assay (dried basis): 100.4%
EP Impurity A: Not Detected
EP Impurity B: 0.03%
EP Impurity C (Isoxamine): Not Detected
EP Impurity F: 0.02%
Any Other Impurity: 0.04%
Total Impurities: 0.1%
Residual Solvent:
- Pyridine: Not Detected
- Methylene chloride: Not Detected
- Methanol: 17 ppm
- Acetone: Not Detected
- Toluene: Not Detected
- Benzene: Not Detected
Heavy metals: <20 ppm
Recommended Retest Date (MM/DD/YYYY): 09/30/2021

09/17/2020 - John Huang, PhD
MP Biomedicals, LLC.

Quality Control Manager

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)