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四川青益纯医药科技有限公司
SICHUAN BENEPURE PHARMACEUTICAL CO.,LTD.

Tel: +86 28 8679 9990
Email: info@benepure.com

Fax: +86 28 8679 9924
Website: www.benepure.com

CERTIFICATE OF ANALYSIS

| | | | |
|----------------------|---------------|--------------------|---------------|
| Product Name | Sulfasalazine | CAS No. | 599-79-1 |
| Batch No. | P051160417A | Mfg. Date | Nov. 18, 2017 |
| Quantity | 500kg | Retest Date | Nov. 17, 2019 |
| Packing | 20kg/Drum | Report Date | Nov. 25, 2017 |
| Specification | USP39 | | |

| ITEM | SPECIFICATION | RESULT |
|--------------------------------|--|----------------------------------|
| Appearance | Bright yellow or brownish yellow, odorless powder | Brownish yellow, odorless powder |
| Solubility | Soluble in aqueous solutions of alkali hydroxides; very slightly soluble in alcohol; practically insoluble in water, ether, chloroform and benzene | Complies |
| Identification | A. IR: The IR spectrum should conform to reference standard | Complies |
| | B. The visible absorption spectrum of the sample solution corresponds to that of the standard solution, as obtained in Assay | Complies |
| Melting Point | Melts at about 255°C, with decomposition | 255°C |
| Heavy Metals | ≤20ppm | Complies |
| Loss on Drying | ≤0.4% | 0.16% |
| Residue on Ignition | ≤0.1% | < 0.1% |
| Chloride | ≤0.014% | < 0.014% |
| Sulfate | ≤0.04% | < 0.04% |
| Related Substances(TLC) | The R _F value of the principal spot of the sample solution corresponds to that of the standard solution | Complies |
| Any other Impurity | ≤2% | < 2% |
| Total Impurities | ≤4% | < 4% |
| Assay(Dried Basis) | 97.0%~101.5% | 99.9% |
| Residual Solvents | | |
| Formic Acid | ≤5000ppm | Undetected |
| Ethanol | ≤5000ppm | 340ppm |
| Conclusion | The product conforms to USP39. | |
| Remarks | N/A | |

Analyst:

QC Manager:

QA: