



Certificate of Analysis

Enterprise Edition LCMS OQ/PV Sulfa Standard

**Agilent Part
Number:** 5190-0580

**Sample Lot
Number:** N080759

This Certified Reference Material (CRM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

Ampule	Lot #	Analyte	CAS#	Purity	Certified Value
5190-0580-1	CK-2872	sulfamethizol	000144-82-1	99+%	0.0100 ± 0.0001 µg/mL
		sulfamethazine	000057-68-1	99+%	0.0100 ± 0.0001 µg/mL
		sulfachloropyridazine	000080-32-0	98+%	0.0100 ± 0.0001 µg/mL
		sulfadimethoxine	000122-11-2	99+%	0.0100 ± 0.0001 µg/mL
5190-0580-2	CK-2873	sulfamethizol	000144-82-1	99+%	0.0250 ± 0.0001 µg/mL
		sulfamethazine	000057-68-1	99+%	0.0251 ± 0.0001 µg/mL
		sulfachloropyridazine	000080-32-0	98+%	0.0250 ± 0.0001 µg/mL
		sulfadimethoxine	000122-11-2	99+%	0.0251 ± 0.0001 µg/mL
5190-0580-3	CK-2874	sulfamethizol	000144-82-1	99+%	0.100 ± 0.001 µg/mL
		sulfamethazine	000057-68-1	99+%	0.100 ± 0.001 µg/mL
		sulfachloropyridazine	000080-32-0	98+%	0.100 ± 0.001 µg/mL
		sulfadimethoxine	000122-11-2	99+%	0.100 ± 0.001 µg/mL
5190-0580-4	CK-2875	sulfamethizol	000144-82-1	99+%	0.500 ± 0.003 µg/mL
		sulfamethazine	000057-68-1	99+%	0.501 ± 0.003 µg/mL
		sulfachloropyridazine	000080-32-0	98+%	0.500 ± 0.003 µg/mL
		sulfadimethoxine	000122-11-2	99+%	0.501 ± 0.003 µg/mL
5190-0580-5	CK-2827	sulfamethizol	000144-82-1	99+%	1.00 ± 0.01 µg/mL
		sulfamethazine	000057-68-1	99+%	1.00 ± 0.01 µg/mL
		sulfachloropyridazine	000080-32-0	98+%	1.00 ± 0.01 µg/mL
		sulfadimethoxine	000122-11-2	99+%	1.00 ± 0.01 µg/mL

Solvent: water / methanol (70:30, V/V)

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001.

Date of release: 16 September 2013

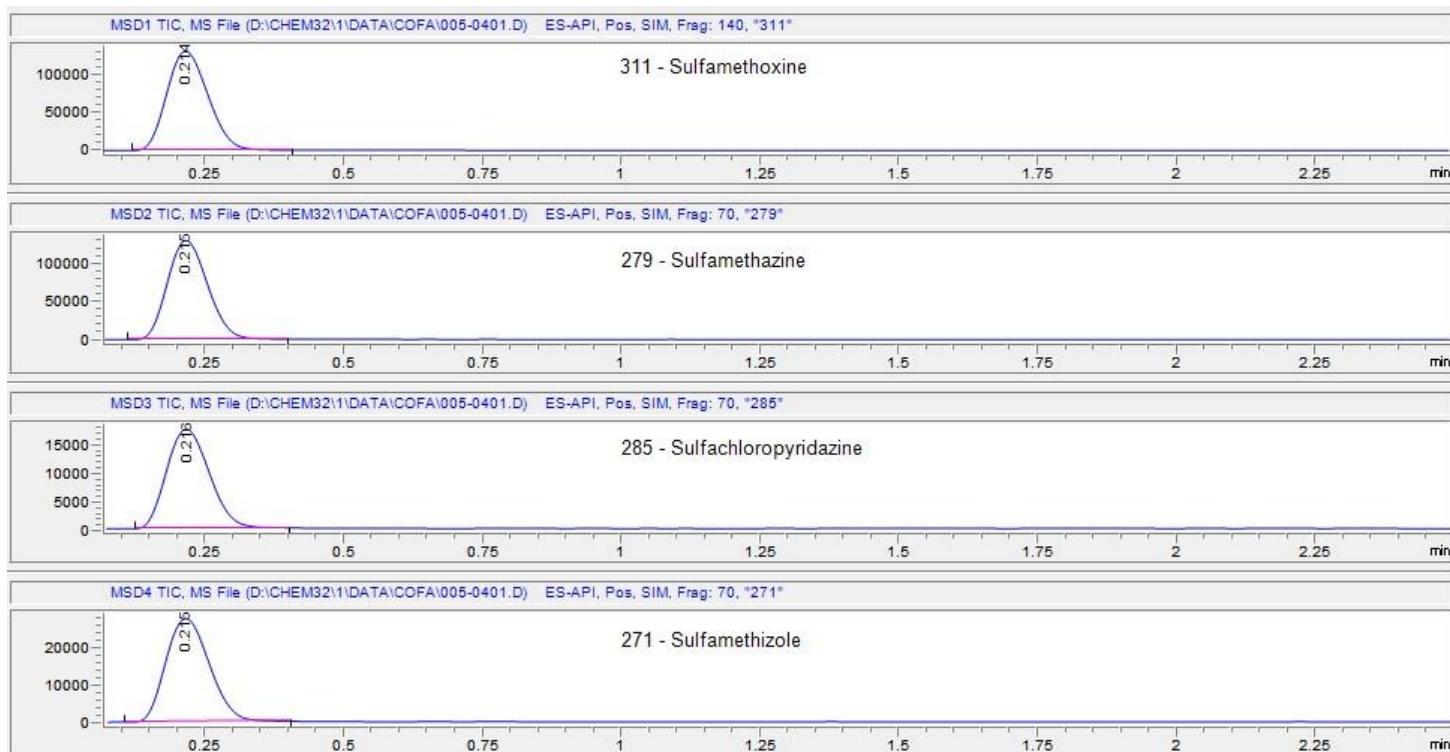
Date of expiration: 31 March 2015


William J. Leach
Quality Assurance Manager



Agilent Technologies

Typical Chromatogram:



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William J. Leach
Quality Assurance Manager