



Certificate of Analysis

Enterprise Edition LC/MS OQ/PV Sulfa Standard

**Agilent Part
Number:** 5190-0580

**Sample Lot
Number:** N082075

This analytical reference material 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	CP-4728	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	CP-4729	sulfamethizol	000144-82-1	99+ %	0.0251 ± 0.0001 µg/mL
		sulfamethazine	000057-68-1	99+ %	0.0251 ± 0.0001 µg/mL
		sulfachloropyridazine	000080-32-0	98+ %	0.0251 ± 0.0001 µg/mL
		sulfadimethoxine	000122-11-2	99+ %	0.0251 ± 0.0001 µg/mL
5190-0580-3	CP-4730	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	CP-4731	sulfamethizol	000144-82-1	99+ %	0.501 ± 0.003 µg/mL
		sulfamethazine	000057-68-1	99+ %	0.501 ± 0.003 µg/mL
		sulfachloropyridazine	000080-32-0	98+ %	0.502 ± 0.003 µg/mL
		sulfadimethoxine	000122-11-2	99+ %	0.501 ± 0.003 µg/mL
5190-0580-5	CP-4732	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

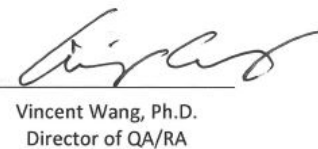
Solvent: water / methanol (70:30, v/v)

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/NCSL Z-540-1 and ISO 9001.

Date of release: 21 September 2016

Date of expiration: 30 April 2019


John Russo
President


Vincent Wang, Ph.D.
Director of QA/RA



Typical Chromatogram:



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John Russo
President


Vincent Wang, Ph.D.
Director of QA/RA