



Certificate of Analysis

Checkout Sample for Sulfurs in Petroleum

**Agilent Part
Number:** G3440-85011**Sample Lot
Number:** CH-3913

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

Analyte	CAS#	Analyte Lot	True Value
dimethyl disulfide (as S)	000624-92-0	04623TY	0.0000100 ± 0.0000001 % (w/w)
dimethyl sulfide (as S)	000075-18-3	05208MY	0.00100 ± 0.00001 % (w/w)
2-propanethiol (as S)	000075-33-2	10019AC	0.000100 ± 0.000001 % (w/w)
thianaphthene (as S)	000095-15-8	13912PF	0.0100 ± 0.0001 % (w/w)
phenyl sulfide (as S)	000139-66-2	13013PY	0.00501 ± 0.00003 % (w/w)

Solvent: isooctane / toluene (9:1, v/v)

ULTRA Scientific uses calibrated Class A glassware and clean bottles in the manufacture of ULTRA standards. 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: 13 December 2011**Date of expiration:** 31 January 2013
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Quality Assurance Manager