



Certificate of Analysis

Nitrosamine Checkout Solution

**Agilent Part
Number:** 5190-0489

**Sample Lot
Number:** CG-0771

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 |
|---------------------------|-------------|-------------|-----------------|
| N-nitrosodimethylamine | 000062-75-9 | 12070JS | 10.0 ± 0.1 µg/L |
| N-nitrosodiphenylamine | 000086-30-6 | 286003/1 | 10.0 ± 0.1 µg/L |
| N-nitrosodi-n-propylamine | 000621-64-7 | FIM01 | 10.0 ± 0.1 µg/L |
| N-nitrosopyrrolidine | 000930-55-2 | 04025BM | 10.0 ± 0.1 µg/L |
| N-nitrosopiperidine | 000100-75-4 | 050HO4081 | 10.0 ± 0.1 µg/L |
| N-nitrosodi-n-butylamine | 000924-16-3 | 80H7706 | 10.0 ± 0.1 µg/L |
| N-nitrosomethylethylamine | 010595-95-6 | 380-112A | 10.0 ± 0.1 µg/L |
| N-nitrosodiethylamine | 000055-18-5 | FIC01 | 10.0 ± 0.1 µg/L |
| N-nitrosomorpholine | 000059-89-2 | FII01 | 10.0 ± 0.1 µg/L |

Solvent: methanol (methyl alcohol)

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: 22 March 2011

Date of expiration: 30 April 2013

William J. Lea
Quality Assurance Manager