

## Custom Standard

**Product Number:** CUS-12041

**Page:** 1 of 2

**Lot Number:** CH-0704

**Lot Issue Date:** 07-Mar-2011

**Expiration Date:** 31-Jul-2011

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte                | CAS#        | Analyte Lot | True Value        |
|------------------------|-------------|-------------|-------------------|
| acenaphthene           | 000083-32-9 | 29697-41    | 501.0 ± 2.5 µg/mL |
| acenaphthylene         | 000208-96-8 | ER030707-01 | 502.0 ± 2.5 µg/mL |
| anthracene             | 000120-12-7 | 09924AJ     | 500.0 ± 2.5 µg/mL |
| benz[a]anthracene      | 000056-55-3 | 154-63B     | 501.5 ± 2.5 µg/mL |
| benzo[a]pyrene         | 000050-32-8 | RM01390     | 130.1 ± 0.7 µg/mL |
| benzo[b]fluoranthene   | 000205-99-2 | ER022008-02 | 501.0 ± 2.5 µg/mL |
| benzo[k]fluoranthene   | 000207-08-9 | ER061608-02 | 500.5 ± 2.5 µg/mL |
| benzo[ghi]perylene     | 000191-24-2 | 31331-40    | 130.0 ± 0.7 µg/mL |
| chrysene               | 000218-01-9 | ER081006-02 | 500.5 ± 2.5 µg/mL |
| dibenz[a,h]anthracene  | 000053-70-3 | 29494-49    | 130.0 ± 0.7 µg/mL |
| fluoranthene           | 000206-44-0 | LB61080     | 502.5 ± 2.5 µg/mL |
| fluorene               | 000086-73-7 | 04003CK     | 501.0 ± 2.5 µg/mL |
| indeno[1,2,3-cd]pyrene | 000193-39-5 | ER082107-02 | 130.0 ± 0.7 µg/mL |
| naphthalene            | 000091-20-3 | 14205KB     | 500.5 ± 2.5 µg/mL |
| phenanthrene           | 000085-01-8 | 1290378     | 501.0 ± 2.5 µg/mL |
| pyrene                 | 000129-00-0 | 01216PE     | 500.5 ± 2.5 µg/mL |
| nitrobenzene           | 000098-95-3 | DI-10604DI  | 501.0 ± 2.5 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | 00334TQ     | 502.0 ± 2.5 µg/mL |
| butyl benzyl phthalate | 000085-68-7 | 05613ED     | 500.0 ± 2.5 µg/mL |
| diethyl phthalate      | 000084-66-2 | 09615KD     | 500.5 ± 2.5 µg/mL |

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

## Custom Standard

**Product Number:** CUS-12041

**Page:** 2 of 2

**Lot Number:** CH-0704

**Lot Issue Date:** 07-Mar-2011

**Expiration Date:** 31-Jul-2011

| Analyte                     | CAS#        | Analyte Lot | True Value        |
|-----------------------------|-------------|-------------|-------------------|
| di-n-butyl phthalate        | 000084-74-2 | AC-011687   | 500.5 ± 2.5 µg/mL |
| di-n-octyl phthalate        | 000117-84-0 | RM01159     | 501.5 ± 2.5 µg/mL |
| bis(2-ethylhexyl) phthalate | 000117-81-7 | D23230      | 500.5 ± 2.5 µg/mL |
| N-nitrosodi-n-propylamine   | 000621-64-7 | FIM01       | 500.5 ± 2.5 µg/mL |
| benzyl alcohol              | 000100-51-6 | 11713BN     | 501.0 ± 2.5 µg/mL |
| 1,4-dichlorobenzene         | 000106-46-7 | 22628EB     | 501.0 ± 2.5 µg/mL |
| hexachlorobutadiene         | 000087-68-3 | 339923/1    | 501.6 ± 2.5 µg/mL |
| hexachlorocyclopentadiene   | 000077-47-4 | 03907AU     | 500.0 ± 2.5 µg/mL |
| 2-methylnaphthalene         | 000091-57-6 | 15416DA     | 500.5 ± 2.5 µg/mL |
| 2-chlorophenol              | 000095-57-8 | 09624MH     | 1004 ± 5 µg/mL    |
| o-cresol                    | 000095-48-7 | 09416AA     | 1002 ± 5 µg/mL    |
| p-cresol                    | 000106-44-5 | 09410PI     | 502.0 ± 2.5 µg/mL |
| 2,4-dinitrophenol           | 000051-28-5 | WJL-IV-165  | 1002 ± 5 µg/mL    |
| 2-nitrophenol               | 000088-75-5 | N980025     | 1002 ± 5 µg/mL    |
| 4-nitrophenol               | 000100-02-7 | 5518HE      | 1001 ± 5 µg/mL    |
| phenol                      | 000108-95-2 | 1373574     | 1000 ± 5 µg/mL    |
| indene                      | 000095-13-6 | 18113TU     | 502.5 ± 2.5 µg/mL |
| 2-butoxyethanol             | 000111-76-2 | RM00382     | 500.0 ± 2.5 µg/mL |
| 2-ethoxyethanol             | 000110-80-5 | 00848DH     | 500.5 ± 2.5 µg/mL |
| 1,4-naphthoquinone          | 000130-15-4 | 06711PT     | 501.0 ± 2.5 µg/mL |
| m-cresol                    | 000108-39-4 | 03517AG     | 500.5 ± 2.5 µg/mL |

**Matrix:** methylene chloride (dichloromethane)

**Storage:** Store at Room Temperature (18-25°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)