

## Custom Standard

**Product Number:** CUS-11453

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**Lot Number:** CG-2715

**Lot Issue Date:** Aug-2010

**Expiration Date:** Mar-2011

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. 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
1,2,4-trichlorobenzene	000120-82-1	00334TQ	100.2 ± 0.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	100.3 ± 0.5 µg/mL
1,2-diphenylhydrazine	000122-66-7	12927HN	100.0 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	100.3 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.3 ± 0.5 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	100.0 ± 0.5 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	100.3 ± 0.5 µg/mL
2,4-dichlorophenol	000120-83-2	05729EZ	100.3 ± 0.5 µg/mL
2,4-dimethylphenol	000105-67-9	010010	100.3 ± 0.5 µg/mL
2,4-dinitrophenol	000051-28-5	CEE-III-130	100.3 ± 0.5 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	100.3 ± 0.5 µg/mL
2,6-dichlorophenol	000087-65-0	03518LN	100.3 ± 0.5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328CR	100.3 ± 0.5 µg/mL
2-chloronaphthalene	000091-58-7	FIE01	100.1 ± 0.5 µg/mL
2-chlorophenol	000095-57-8	09106BQ	100.3 ± 0.5 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	100.4 ± 0.5 µg/mL
2-methylphenol	000095-48-7	09416AA	100.3 ± 0.5 µg/mL
2-nitroaniline	000088-74-4	13201TU	100.4 ± 0.5 µg/mL
2-nitrophenol	000088-75-5	N960045	100.3 ± 0.5 µg/mL
3,3'-dichlorobenzidine	000091-94-1	FCW01	100.4 ± 0.5 µg/mL

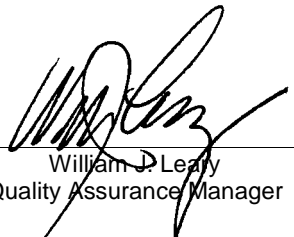
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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Analyte	CAS#	Analyte Lot	True Value
3-methylphenol	000108-39-4	03517AG	100.3 ± 0.5 µg/mL
4-methylphenol	000106-44-5	09410PI	100.3 ± 0.5 µg/mL
3-nitroaniline	000099-09-2	03020DL	100.4 ± 0.5 µg/mL
4,6-dinitro-2-methylphenol	000534-52-1	42136/4	100.1 ± 0.5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	05819CO	100.2 ± 0.5 µg/mL
4-chloro-3-methylphenol	000059-50-7	061657	100.3 ± 0.5 µg/mL
4-chloroaniline	000106-47-8	01310MW	100.4 ± 0.5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	28314CA	100.4 ± 0.5 µg/mL
4-nitroaniline	000100-01-6	3926DK	100.4 ± 0.5 µg/mL
4-nitrophenol	000100-02-7	10425DR	100.3 ± 0.5 µg/mL
acenaphthene	000083-32-9	29697-41	100.2 ± 0.5 µg/mL
acenaphthylene	000208-96-8	ER030707-01	100.3 ± 0.5 µg/mL
anthracene	000120-12-7	33383-91	100.2 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	100.2 ± 0.5 µg/mL
benzidine	000092-87-5	314498/1	100.3 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	ER050707-01	100.2 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	100.2 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	100.2 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	100.2 ± 0.5 µg/mL
benzoic acid	000065-85-0	00103JM	100.3 ± 0.5 µg/mL
benzyl alcohol	000100-51-6	11713BN	100.3 ± 0.5 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	100.3 ± 0.5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	013187	100.4 ± 0.5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	PR-16041	100.3 ± 0.5 µg/mL

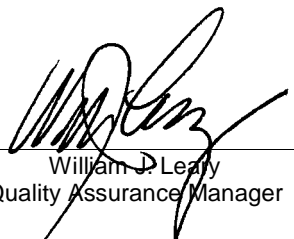
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Analyte	CAS#	Analyte Lot	True Value
bis(2-ethylhexyl) phthalate	000117-81-7	D-23230	100.2 ± 0.5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	100.3 ± 0.5 µg/mL
carbazole	000086-74-8	CEE-III-129	100.0 ± 0.5 µg/mL
chrysene	000218-01-9	ER081006-02	100.2 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	100.2 ± 0.5 µg/mL
dibenzofuran	000132-64-9	080477	100.4 ± 0.5 µg/mL
diethyl phthalate	000084-66-2	09615KD	100.1 ± 0.5 µg/mL
dimethyl phthalate	000131-11-3	D-44220	100.0 ± 0.5 µg/mL
di-n-butyl phthalate	000084-74-2	011687	100.1 ± 0.5 µg/mL
di-n-octyl phthalate	000117-84-0	0001418030	100.0 ± 0.5 µg/mL
fluoranthene	000206-44-0	LB61080	100.3 ± 0.5 µg/mL
fluorene	000086-73-7	04003CK	100.2 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	02927MC	100.3 ± 0.5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	99.8 ± 0.5 µg/mL
hexachloroethane	000067-72-1	12604HB	100.3 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ER082107-02	100.2 ± 0.5 µg/mL
isophorone	000078-59-1	10830MQ	100.3 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.1 ± 0.5 µg/mL
nitrobenzene	000098-95-3	2925LK	100.3 ± 0.5 µg/mL
N-nitrosodimethylamine	000062-75-9	12070JS	100.3 ± 0.5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	100.3 ± 0.5 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003/1	100.3 ± 0.5 µg/mL
N-nitrosopyrrolidine	000930-55-2	04025BM	100.3 ± 0.5 µg/mL
pentachlorophenol	000087-86-5	07119HO	100.3 ± 0.5 µg/mL

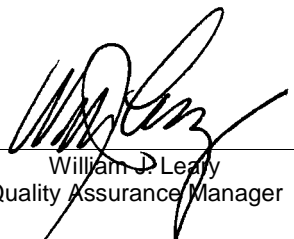
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phenanthrene	000085-01-8	07419ME	100.2 ± 0.5 µg/mL
phenol	000108-95-2	1373574	100.3 ± 0.5 µg/mL
pyrene	000129-00-0	01216PE	100.2 ± 0.5 µg/mL
2-fluorophenol	000367-12-4	09006DO	100.5 ± 0.5 µg/mL
phenol-d5	004165-62-2	11-9925B	100.4 ± 0.5 µg/mL
phenol-d6	013127-88-3	P-7222	100.0 ± 0.5 µg/mL
nitrobenzene-d5	004165-60-0	PR-16900/0303	100.5 ± 0.5 µg/mL
2-fluorobiphenyl	000321-60-8	MKAA3698	100.4 ± 0.5 µg/mL
2,4,6-tribromophenol	000118-79-6	02712MT	100.4 ± 0.5 µg/mL
p-terphenyl-d14	001718-51-0	PR-15513/0210	100.5 ± 0.5 µg/mL

**Matrix:** methylene chloride/benzene (3:1)

**Storage:** Store at < 4° C

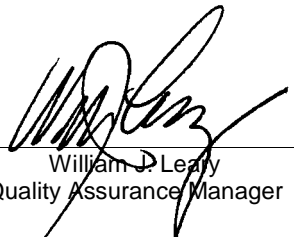
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