

Custom Standard

Product Number: CUS-12360

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Lot Number: CG-3842

Lot Issue Date: Nov-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
benzo[a]pyrene	000050-32-8	ER050707-01	501.2 ± 2.5 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	501.2 ± 2.5 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	501.2 ± 2.5 µg/mL
chrysene	000218-01-9	ER081006-02	501.2 ± 2.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	501.2 ± 2.5 µg/mL
hexachlorobenzene	000118-74-1	04416KY	501.7 ± 2.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ER082107-02	501.2 ± 2.5 µg/mL
anthracene	000120-12-7	33383-91	501.9 ± 2.5 µg/mL
fluoranthene	000206-44-0	LB61080	501.2 ± 2.5 µg/mL
phenanthrene	000085-01-8	07419ME	501.2 ± 2.5 µg/mL
acenaphthylene	000208-96-8	ER030707-01	502.0 ± 2.5 µg/mL
fluorene	000086-73-7	04003CK	501.2 ± 2.5 µg/mL
pyrene	000129-00-0	01216PE	501.2 ± 2.5 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	501.2 ± 2.5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	501.2 ± 2.5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	502.3 ± 2.5 µg/mL
nitrobenzene	000098-95-3	DI-10604DI	500.9 ± 2.5 µg/mL
hexachloroethane	000067-72-1	12604HB	501.1 ± 2.5 µg/mL
isophorone	000078-59-1	10830MR	500.0 ± 2.5 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	501.2 ± 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.



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Quality Assurance Manager

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Analyte	CAS#	Analyte Lot	True Value
hexachlorobutadiene	000087-68-3	339923/1	500.6 ± 2.5 µg/mL
hexachlorocyclopentadiene	000077-47-4	03907AU	501.5 ± 2.5 µg/mL
2-chloronaphthalene	000091-58-7	FIJ02	501.1 ± 2.5 µg/mL
dimethyl phthalate	000131-11-3	D44220	501.2 ± 2.5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328CR	501.1 ± 2.5 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	501.7 ± 2.5 µg/mL
diethyl phthalate	000084-66-2	09615KD	501.0 ± 2.5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	04420PH	501.5 ± 2.5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	05819CO	501.3 ± 2.5 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	502.3 ± 2.5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	501.6 ± 2.5 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	D-22230	501.6 ± 2.5 µg/mL
di-n-octyl phthalate	000117-84-0	0001218030	501.2 ± 2.5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	444-49A	500.7 ± 2.5 µg/mL
naphthalene	000091-20-3	14205KB	501.2 ± 2.5 µg/mL
acenaphthene	000083-32-9	29697-41	500.5 ± 2.5 µg/mL
2-nitroaniline	000088-74-4	13210TU	500.7 ± 2.5 µg/mL
4-nitroaniline	000100-01-6	KL-3926DK	500.3 ± 2.5 µg/mL
1,2-diphenylhydrazine	000122-66-7	12927HN	501.5 ± 2.5 µg/mL
benzyl alcohol	000100-51-6	11713BN	501.6 ± 2.5 µg/mL
2,3,4,6-tetrachlorophenol	000058-90-2	ER100206-01	501.7 ± 2.5 µg/mL
3-nitroaniline	000099-09-2	03020DL	501.7 ± 2.5 µg/mL
dibenzofuran	000132-64-9	080477	500.3 ± 2.5 µg/mL
1,2-dinitrobenzene	000528-29-0	11417TY	500.8 ± 2.5 µg/mL

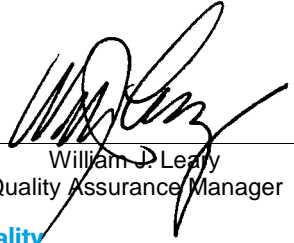
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1,3-dinitrobenzene	000099-65-0	10217DJ	501.4 ± 2.5 µg/mL
1,4-dinitrobenzene	000100-25-4	00202TF	500.4 ± 2.5 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	501.1 ± 2.5 µg/mL
1-methylnaphthalene	000090-12-0	12114BE	501.0 ± 2.5 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	502.5 ± 2.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	501.7 ± 2.5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	501.2 ± 2.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	500.2 ± 2.5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	500.4 ± 2.5 µg/mL
N-nitrosodimethylamine	000062-75-9	12070JS	500.5 ± 2.5 µg/mL
carbazole	000086-74-8	CEE-III-129	501.1 ± 2.5 µg/mL
pyridine	000110-86-1	18230HL	1004 ± 5 µg/mL
aniline	000062-53-3	3607BM	501.5 ± 2.5 µg/mL
4-chloroaniline	000106-47-8	0110MW	500.4 ± 2.5 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003	500.0 ± 2.5 µg/mL
2,4-dimethylphenol	000105-67-9	010010	502.1 ± 2.5 µg/mL
2,4-dinitrophenol	000051-28-5	CEE-III-130	501.7 ± 2.5 µg/mL
4,6-dinitro-2-methylphenol	000534-52-1	42136/4	500.1 ± 2.5 µg/mL
4-nitrophenol	000100-02-7	5518HE	500.8 ± 2.5 µg/mL
4-chloro-3-methylphenol	000059-50-7	061657	502.1 ± 2.5 µg/mL
2-chlorophenol	000095-57-8	09624MH	501.1 ± 2.5 µg/mL
2,4-dichlorophenol	000120-83-2	05729EZ	500.4 ± 2.5 µg/mL
2-nitrophenol	000088-75-5	N980025	501.8 ± 2.5 µg/mL
pentachlorophenol	000087-86-5	07119HO	502.2 ± 2.5 µg/mL

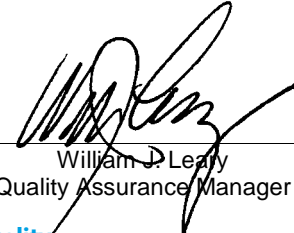
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Analyte	CAS#	Analyte Lot	True Value
phenol	000108-95-2	1373574	501.5 ± 2.5 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	500.9 ± 2.5 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	501.3 ± 2.5 µg/mL
2-methylphenol	000095-48-7	09416AA	501.5 ± 2.5 µg/mL
3-methylphenol	000108-39-4	03517AG	250.5 ± 1.3 µg/mL
4-methylphenol	000106-44-5	09410PI	251.0 ± 1.3 µg/mL
n-octadecane	000593-45-3	9203162	501.6 ± 2.5 µg/mL
n-decane	000124-18-5	9401284	500.3 ± 2.5 µg/mL
alpha-terpineol	010482-56-1	02402JY	500.9 ± 2.5 µg/mL
acetophenone	000098-86-2	07705JD	502.3 ± 2.5 µg/mL
2,3-dichloroaniline	000608-27-5	04524HU	501.7 ± 2.5 µg/mL
benzidine	000092-87-5	314498/1	501.5 ± 2.5 µg/mL
3,3'-dichlorobenzidine	000091-94-1	FCW01	502.0 ± 2.5 µg/mL
benzoic acid	000065-85-0	00103JM	501.2 ± 2.5 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at < 4°C.

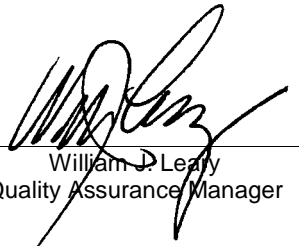
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