

## Custom Standard

**Product Number:** CUS-6531

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**Lot Number:** CG-2457

**Lot Issue Date:** Jul-2010

**Expiration Date:** Feb-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
1,4-dioxane	000123-91-1	0534000	100.2 ± 0.5 µg/mL
N-nitrosodimethylamine	000062-75-9	PS12070JS	100.4 ± 0.5 µg/mL
benzaldehyde	000100-52-7	08505KLB	100.2 ± 0.5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	100.4 ± 0.5 µg/mL
phenol	000108-95-2	1373574	100.2 ± 0.5 µg/mL
2-chlorophenol	000095-57-8	09106BA	100.4 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	100.2 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.2 ± 0.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	100.2 ± 0.5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	PR-16041	100.1 ± 0.5 µg/mL
2-methylphenol	000095-48-7	09416AA	100.2 ± 0.5 µg/mL
acetophenone	000098-86-2	0770530	100.2 ± 0.5 µg/mL
hexachloroethane	000067-72-1	12604HB	100.2 ± 0.5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	100.4 ± 0.5 µg/mL
3-methylphenol	000108-39-4	03517AG	100.2 ± 0.5 µg/mL
4-methylphenol	000106-44-5	09410PI	100.2 ± 0.5 µg/mL
nitrobenzene	000098-95-3	OJ-10604DI	100.2 ± 0.5 µg/mL
isophorone	000078-59-1	10830MQ	100.2 ± 0.5 µg/mL
2-nitrophenol	000088-75-5	N980025	100.4 ± 0.5 µg/mL
2,4-dimethylphenol	000105-67-9	14822JA	100.4 ± 0.5 µg/mL

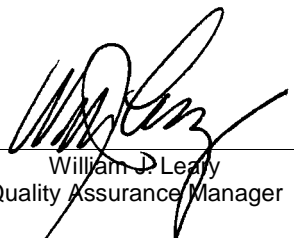
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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Analyte	CAS#	Analyte Lot	True Value
bis(2-chloroethoxy)methane	000111-91-1	366-68A	100.5 ± 0.5 µg/mL
benzoic acid	000065-85-0	JM-00103JM	200.5 ± 1.0 µg/mL
2,4-dichlorophenol	000120-83-2	05729EZ	100.4 ± 0.5 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	100.2 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.2 ± 0.5 µg/mL
2,6-dichlorophenol	000087-65-0	03518LN	100.2 ± 0.5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1 997	100.2 ± 0.5 µg/mL
ε-caprolactam	000105-60-2	06716LQ	100.2 ± 0.5 µg/mL
4-chloro-3-methylphenol	000059-50-7	061657	100.3 ± 0.5 µg/mL
1-methylnaphthalene	000090-12-0	12114BE	100.2 ± 0.5 µg/mL
1,2,4,5-tetrachlorobenzene	000095-94-3	N950075	100.2 ± 0.5 µg/mL
hexachlorocyclopentadiene	000077-47-4	KO03907AU	100.4 ± 0.5 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	100.3 ± 0.5 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	100.2 ± 0.5 µg/mL
biphenyl	000092-52-4	HG01721KZ	100.4 ± 0.5 µg/mL
2-chloronaphthalene	000091-58-7	FIJ02	100.2 ± 0.5 µg/mL
acenaphthylene	000208-96-8	ERO30707-01	100.4 ± 0.5 µg/mL
dimethyl phthalate	000131-11-3	256-97B	100.2 ± 0.5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328LR	100.2 ± 0.5 µg/mL
acenaphthene	000083-32-9	29697-41	100.3 ± 0.5 µg/mL
2,4-dinitrophenol	000051-28-5	PU-12310CU	200.4 ± 1.0 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	100.2 ± 0.5 µg/mL
4-nitrophenol	000100-02-7	HE-5518HE	200.4 ± 1.0 µg/mL
2,3,4,6-tetrachlorophenol	000058-90-2	ER100206-01	100.2 ± 0.5 µg/mL

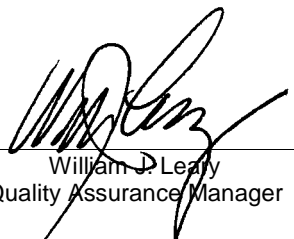
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Analyte	CAS#	Analyte Lot	True Value
fluorene	000086-73-7	PM-04003CK	100.3 ± 0.5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	28314CA	100.4 ± 0.5 µg/mL
diethyl phthalate	000084-66-2	09615KD	100.4 ± 0.5 µg/mL
2-methyl-4,6-dinitrophenol	000534-52-1	42136-4	200.2 ± 1.0 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003/1	100.4 ± 0.5 µg/mL
1,2-diphenylhydrazine	000122-66-7	JQ12927HN	100.4 ± 0.5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	05819CO	100.1 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	DG04416KY	100.4 ± 0.5 µg/mL
atrazine	001912-24-9	PER_CHP_101	100.4 ± 0.5 µg/mL
pentachlorophenol	000087-86-5	07119HO	200.7 ± 1.0 µg/mL
phenanthrene	000085-01-8	1290378	100.3 ± 0.5 µg/mL
anthracene	000120-12-7	09924AJ	100.3 ± 0.5 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	100.1 ± 0.5 µg/mL
fluoranthene	000206-44-0	LB61080	100.0 ± 0.5 µg/mL
pyrene	000129-00-0	01216PE	100.3 ± 0.5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	100.2 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	100.3 ± 0.5 µg/mL
chrysene	000218-01-9	ERO81006-02	100.3 ± 0.5 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	D-23230	100.4 ± 0.5 µg/mL
di-n-octyl phthalate	000117-84-0	D-44220	100.3 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	ERO22008-02	100.3 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	ERO61608-02	100.3 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	08105EZ	100.3 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ERO82107-02	100.3 ± 0.5 µg/mL

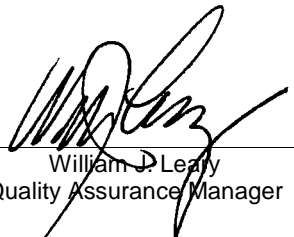
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dibenz[a,h]anthracene	000053-70-3	ERO91206-01	100.3 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	ERO41205-01	100.3 ± 0.5 µg/mL

Matrix: acetone/methylene chloride (85:15)

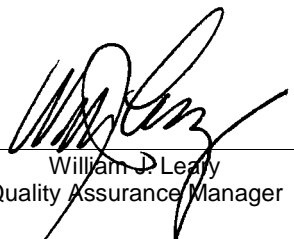
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