



# Certificate of Analysis

## Custom Standard

Product Number: CUS-6531

Page: 1 of 4

Lot Number: CH-2206

Lot Issue Date: 12-Jul-2011

Expiration Date: 29-Feb-2012

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
isophorone	000078-59-1	10830MQ	100.2 ± 0.5 µg/mL
2-nitrophenol	000088-75-5	N960045	100.3 ± 0.5 µg/mL
2,4-dimethylphenol	000105-67-9	010010	100.3 ± 0.5 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	100.3 ± 0.5 µg/mL
benzoic acid	000065-85-0	JM-00103JM	200.5 ± 1.0 µg/mL
2,4-dichlorophenol	000120-83-2	HZ-05729EZ	100.3 ± 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	RM00438	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	MB-261657	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	KO-03907AU	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	07521LD	100.2 ± 0.5 µg/mL
biphenyl	000092-52-4	01721KZ	100.4 ± 0.5 µg/mL
2-chloronaphthalene	000091-58-7	FIJ-02	100.2 ± 0.5 µg/mL

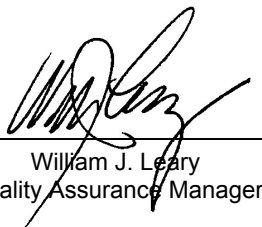
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William J. Leary  
Quality Assurance Manager



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acenaphthylene	000208-96-8	ER030707-01	100.4 ± 0.5 µg/mL
dimethyl phthalate	000131-11-3	A-0932	100.3 ± 0.5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328CE	100.2 ± 0.5 µg/mL
acenaphthene	000083-32-9	29697-41	100.3 ± 0.5 µg/mL
2,4-dinitrophenol	000051-28-5	CEE-111-130	200.6 ± 1.0 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	100.2 ± 0.5 µg/mL
4-nitrophenol	000100-02-7	LS-10425DR	200.6 ± 1.0 µg/mL
2,3,4,6-tetrachlorophenol	000058-90-2	ER100206-01	100.2 ± 0.5 µg/mL
fluorene	000086-73-7	PM-04003CK	100.3 ± 0.5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	04420PH	100.3 ± 0.5 µg/mL
diethyl phthalate	000084-66-2	309615KD	100.3 ± 0.5 µg/mL
2-methyl-4,6-dinitrophenol	000534-52-1	42136/4	200.1 ± 1.0 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003	100.4 ± 0.5 µg/mL
1,2-diphenylhydrazine	000122-66-7	JQ-12927HN	100.4 ± 0.5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	KO-05819CO	100.3 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	DG-04416KY	100.4 ± 0.5 µg/mL
atrazine	001912-24-9	RM01121	100.4 ± 0.5 µg/mL
pentachlorophenol	000087-86-5	071190HO	200.6 ± 1.0 µg/mL
phenanthrene	000085-01-8	1290378	100.3 ± 0.5 µg/mL

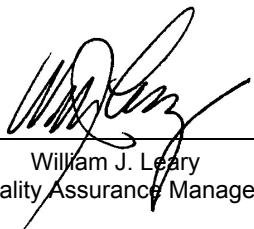
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anthracene	000120-12-7	09924AJ	100.3 ± 0.5 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	100.3 ± 0.5 µg/mL
fluoranthene	000206-44-0	LB61080	100.4 ± 0.5 µg/mL
pyrene	000129-00-0	01216PE	100.3 ± 0.5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	100.3 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	100.3 ± 0.5 µg/mL
chrysene	000218-01-9	ER081006-02	100.3 ± 0.5 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	D-22230	100.3 ± 0.5 µg/mL
di-n-octyl phthalate	000117-84-0	0001418030	100.3 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	100.3 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	ER061608-02	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	ER082107-02	100.3 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	100.3 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	100.3 ± 0.5 µg/mL
1,4-dioxane	000123-91-1	05340OD	100.2 ± 0.5 µg/mL
N-nitrosodimethylamine	000062-75-9	PS-12070JS	100.4 ± 0.5 µg/mL
benzaldehyde	000100-52-7	08505LB	100.2 ± 0.5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	100.3 ± 0.5 µg/mL

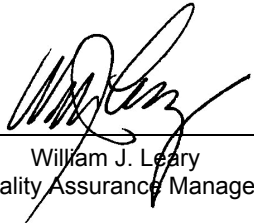
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phenol	000108-95-2	1373574	100.3 ± 0.5 µg/mL
2-chlorophenol	000095-57-8	CS-09106BQ	100.3 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	100.2 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.2 ± 0.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	100.2 ± 0.5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	444-49A	100.3 ± 0.5 µg/mL
2-methylphenol	000095-48-7	09416AA	100.2 ± 0.5 µg/mL
acetophenone	000098-86-2	07705JO	100.2 ± 0.5 µg/mL
hexachloroethane	000067-72-1	12604HB	100.2 ± 0.5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM-01	100.4 ± 0.5 µg/mL
3-methylphenol	000108-39-4	03317AG	100.2 ± 0.5 µg/mL
4-methylphenol	000106-44-5	09410PI	100.2 ± 0.5 µg/mL
nitrobenzene	000098-95-3	DI-10604DI	100.2 ± 0.5 µg/mL

**Matrix:** acetone/methylene chloride (85:15)

**Storage:** Store at < 4° C

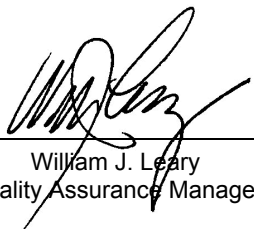
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