

## Custom Standard

**Product Number:** CUS-11053

**Page:** 1 of 4

**Lot Number:** CG-3224

**Lot Issue Date:** Sep-2010

**Expiration Date:** Jan-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
acetone	000067-64-1	49098	501.5 ± 2.5 µg/mL
benzene	000071-43-2	34097	100.3 ± 0.5 µg/mL
bromobenzene	000108-86-1	CG-02513MF	100.3 ± 0.5 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	100.3 ± 0.5 µg/mL
bromodichloromethane	000075-27-4	DU-14522LS	100.3 ± 0.5 µg/mL
bromoform	000075-25-2	12312KC	100.3 ± 0.5 µg/mL
2-butanone	000078-93-3	CA-02161PO	501.5 ± 2.5 µg/mL
t-butyl acetate	000540-88-5	17531AB	501.5 ± 2.5 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	100.3 ± 0.5 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	100.5 ± 0.5 µg/mL
carbon tetrachloride	000056-23-5	01704MF	100.3 ± 0.5 µg/mL
chlorobenzene	000108-90-7	013148HZ	100.3 ± 0.5 µg/mL
chloroform	000067-66-3	05143MN	100.3 ± 0.5 µg/mL
2-chlorotoluene	000095-49-8	10018BC	100.3 ± 0.5 µg/mL
4-chlorotoluene	000106-43-4	03327	100.3 ± 0.5 µg/mL
4-chlorobenzotrifluoride	000098-56-6	HI-07416LR	100.3 ± 0.5 µg/mL
dibromochloromethane	000124-48-1	CU-07705AN	100.3 ± 0.5 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	100.3 ± 0.5 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	100.3 ± 0.5 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	100.3 ± 0.5 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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William J. Leary  
Quality Assurance Manager

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1,2-dichlorobenzene	000095-50-1	08946KY	100.3 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	100.3 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.3 ± 0.5 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	100.3 ± 0.5 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	100.3 ± 0.5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	100.3 ± 0.5 µg/mL
cis-1,2-dichloroethene	000156-59-2	05602PH	100.3 ± 0.5 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	100.3 ± 0.5 µg/mL
1,2-dichloropropane	000078-87-5	DC-120777	100.3 ± 0.5 µg/mL
1,3-dichloropropane	000142-28-9	PO-18920BO	100.3 ± 0.5 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	100.3 ± 0.5 µg/mL
1,1-dichloropropene	000563-58-6	PR111308-01	100.3 ± 0.5 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-051109-01	100.3 ± 0.5 µg/mL
trans-1,3-dichloropropene	010061-02-6	101007-01	100.3 ± 0.5 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	100.3 ± 0.5 µg/mL
ethanol	000064-17-5	C1002052	1004 ± 5 µg/mL
ethylbenzene	000100-41-4	01558CC	100.3 ± 0.5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	100.2 ± 0.5 µg/mL
2-hexanone	000591-78-6	12007DD	501.5 ± 2.5 µg/mL
isopropylbenzene	000098-82-8	02827BH	100.3 ± 0.5 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	100.3 ± 0.5 µg/mL
methylene chloride	000075-09-2	48191	100.3 ± 0.5 µg/mL
4-methyl-2-pentanone	000108-10-1	04153EC	501.5 ± 2.5 µg/mL
sec-butylbenzene	000135-98-8	07610JE	100.3 ± 0.5 µg/mL

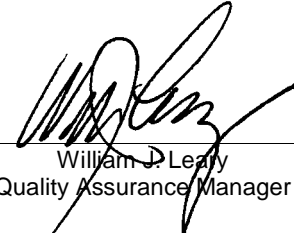
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Quality Assurance Manager

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Analyte	CAS#	Analyte Lot	True Value
MTBE	001634-04-4	45123	100.3 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.3 ± 0.5 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	100.3 ± 0.5 µg/mL
styrene	000100-42-5	LR-11228MQ	100.3 ± 0.5 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	100.3 ± 0.5 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	100.3 ± 0.5 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	100.3 ± 0.5 µg/mL
tetrahydrofuran	000109-99-9	04928DN	100.3 ± 0.5 µg/mL
toluene	000108-88-3	47144	100.3 ± 0.5 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	100.3 ± 0.5 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	100.3 ± 0.5 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	100.3 ± 0.5 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	100.3 ± 0.5 µg/mL
trichloroethene	000079-01-6	KN-08846KN	100.3 ± 0.5 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	100.3 ± 0.5 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	100.3 ± 0.5 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	100.3 ± 0.5 µg/mL
vinyl acetate	000108-05-4	11517PR	100.3 ± 0.5 µg/mL
o-xylene	000095-47-6	DO-06834CO	100.3 ± 0.5 µg/mL
m-xylene	000108-38-3	DI-00459CI	100.3 ± 0.5 µg/mL
p-xylene	000106-42-3	03747LN	100.3 ± 0.5 µg/mL
t-butanol (2-methyl-2-propanol)	000075-65-0	CB-102267	1004 ± 5 µg/mL

**Matrix:** methanol (methyl alcohol)

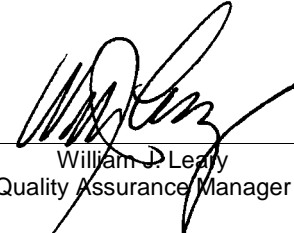
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# Certificate of Analysis

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**Analyte**

**CAS#**

**Analyte Lot**

**True Value**

**Storage:** Store at < 4° C

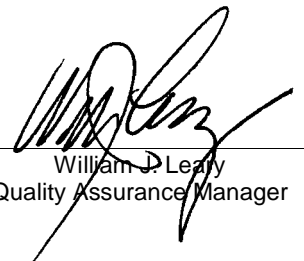
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