

## Custom Standard

**Product Number:** CUS-12253

**Page:** 1 of 5

**Lot Number:** CG-4371

**Lot Issue Date:** 20-Dec-2010

**Expiration Date:** 30-Apr-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
tetrachloroethylene	000127-18-4	PS-00344BR	200.6 ± 1.0 µg/mL
tetrahydrofuran	000109-99-9	04928DN	200.6 ± 1.0 µg/mL
toluene	000108-88-3	47144	200.6 ± 1.0 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	200.6 ± 1.0 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	200.6 ± 1.0 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	200.6 ± 1.0 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	200.6 ± 1.0 µg/mL
trichloroethene	000079-01-6	KN-08846KN	200.6 ± 1.0 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	200.6 ± 1.0 µg/mL
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	200.6 ± 1.0 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	200.6 ± 1.0 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	200.6 ± 1.0 µg/mL
m-xylene	000108-38-3	DI-00459CI	200.6 ± 1.0 µg/mL
o-xylene	000095-47-6	DO-06834CO	200.6 ± 1.0 µg/mL
p-xylene	000106-42-3	03747LN	200.6 ± 1.0 µg/mL
2-chloroethylvinyl ether	000110-75-8	KS-12708TN	200.8 ± 1.0 µg/mL
methyl acetate	000079-20-9	16318HA	200.6 ± 1.0 µg/mL
acrolein	000107-02-8	S35243	402.0 ± 2.0 µg/mL
ethanol	000064-17-5	C1002052	2006 ± 10 µg/mL
tert-butanol	000075-65-0	CB-102267	1003 ± 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.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

## Custom Standard

**Product Number:** CUS-12253

**Page:** 2 of 5

**Lot Number:** CG-4371

**Lot Issue Date:** 20-Dec-2010

**Expiration Date:** 30-Apr-2011

Analyte	CAS#	Analyte Lot	True Value
MTBE	001634-04-4	45123	200.6 ± 1.0 µg/mL
diisopropyl ether	000108-20-3	00242EH	200.6 ± 1.0 µg/mL
ETBE	000637-92-3	14516EH	200.6 ± 1.0 µg/mL
TAME	000994-05-8	JN-12512EN	200.6 ± 1.0 µg/mL
acetone	000067-64-1	48224	200.6 ± 1.0 µg/mL
MEK	000078-93-3	CA-02161PO	200.6 ± 1.0 µg/mL
MIBK	000108-10-1	05756LQ	200.6 ± 1.0 µg/mL
2-hexanone	000591-78-6	12007DD	200.6 ± 1.0 µg/mL
vinyl acetate	000108-05-4	MS-11517PR	200.6 ± 1.0 µg/mL
t-butyl acetate	000540-88-5	17531AB	200.6 ± 1.0 µg/mL
naphthalene	000091-20-3	14205KB	200.6 ± 1.0 µg/mL
nitrobenzene	000098-95-3	HK-2925LK	200.6 ± 1.0 µg/mL
2-nitropropane	000079-46-9	11501KA	200.6 ± 1.0 µg/mL
pentachloroethane	000076-01-7	376-75A	200.6 ± 1.0 µg/mL
propionitrile	000107-12-0	06316TC	200.6 ± 1.0 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	200.6 ± 1.0 µg/mL
chloroform	000067-66-3	05143MN	200.6 ± 1.0 µg/mL
thiophene	000110-02-1	18928BO	200.6 ± 1.0 µg/mL
n-hexane	000110-54-3	4120791	200.6 ± 1.0 µg/mL
malononitrile	000109-77-3	10009EX	200.6 ± 1.0 µg/mL
cyclohexane	000110-82-7	44114	200.6 ± 1.0 µg/mL
methylcyclohexane	000108-87-2	DR-00844CR	200.6 ± 1.0 µg/mL
isopropanol	000067-63-0	45068	1003 ± 5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	200.4 ± 1.0 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.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

## Custom Standard

**Product Number:** CUS-12253

**Page:** 3 of 5

**Lot Number:** CG-4371

**Lot Issue Date:** 20-Dec-2010

**Expiration Date:** 30-Apr-2011

Analyte	CAS#	Analyte Lot	True Value
acetonitrile	000075-05-8	47202	200.6 ± 1.0 µg/mL
acrylonitrile	000107-13-1	11512CH	200.6 ± 1.0 µg/mL
allyl chloride	000107-05-1	MC-070777	200.6 ± 1.0 µg/mL
benzene	000071-43-2	34097	200.6 ± 1.0 µg/mL
bromobenzene	000108-86-1	CG-02513MF	200.6 ± 1.0 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	200.6 ± 1.0 µg/mL
bromodichloromethane	000075-27-4	DU-14522LS	200.6 ± 1.0 µg/mL
bromoform	000075-25-2	12312KC	200.6 ± 1.0 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	200.6 ± 1.0 µg/mL
sec-butylbenzene	000135-98-8	07610JE	200.6 ± 1.0 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	200.6 ± 1.0 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	200.6 ± 1.0 µg/mL
carbon tetrachloride	000056-23-5	01704MF	200.6 ± 1.0 µg/mL
chlorobenzene	000108-90-7	013148HZ	200.6 ± 1.0 µg/mL
2-chloroethanol	000107-07-3	KZ-00804LX	200.6 ± 1.0 µg/mL
chloroprene	000126-99-8	A073738	200.0 ± 1.0 µg/mL
2-chlorotoluene	000095-49-8	10018BC and K	200.6 ± 1.0 µg/mL
4-chlorotoluene	000106-43-4	03327TH	200.6 ± 1.0 µg/mL
dibromochloromethane	000124-48-1	CU-07705AN	200.6 ± 1.0 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	200.6 ± 1.0 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	200.6 ± 1.0 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	200.6 ± 1.0 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	200.6 ± 1.0 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	200.6 ± 1.0 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.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

## Custom Standard

**Product Number:** CUS-12253

**Page:** 4 of 5

**Lot Number:** CG-4371

**Lot Issue Date:** 20-Dec-2010

**Expiration Date:** 30-Apr-2011

Analyte	CAS#	Analyte Lot	True Value
1,4-dichlorobenzene	000106-46-7	22628EB	200.6 ± 1.0 µg/mL
cis-1,4-dichloro-2-butene	001476-11-5	10522TC	200.6 ± 1.0 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	200.6 ± 1.0 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	200.6 ± 1.0 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	200.6 ± 1.0 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	200.6 ± 1.0 µg/mL
cis-1,2-dichloroethene	000156-59-2	05602PH	200.6 ± 1.0 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	200.6 ± 1.0 µg/mL
1,2-dichloropropane	000078-87-5	DC-120777	200.6 ± 1.0 µg/mL
1,3-dichloropropane	000142-28-9	PO-18920BO	200.6 ± 1.0 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	200.6 ± 1.0 µg/mL
1,1-dichloropropene	000563-58-6	PR111308-01	200.6 ± 1.0 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR051109-01	200.6 ± 1.0 µg/mL
trans-1,3-dichloropropene	010061-02-6	101007-01	200.6 ± 1.0 µg/mL
diethyl ether	000060-29-7	07283DH	200.6 ± 1.0 µg/mL
1,4-dioxane	000123-91-1	05340DD	2006 ± 10 µg/mL
ethylbenzene	000100-41-4	01558CC	200.6 ± 1.0 µg/mL
ethyl methacrylate	000097-63-2	AO-09819AS	200.6 ± 1.0 µg/mL
iodomethane	000074-88-4	02412JD	200.6 ± 1.0 µg/mL
isobutyl alcohol	000078-83-1	01809KH	200.6 ± 1.0 µg/mL
isopropylbenzene	000098-82-8	02827BH	200.6 ± 1.0 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	200.6 ± 1.0 µg/mL
methacrylonitrile	000126-98-7	PI-00427ET	200.6 ± 1.0 µg/mL
methyl acrylate	000096-33-3	HF-01125BF	200.6 ± 1.0 µg/mL

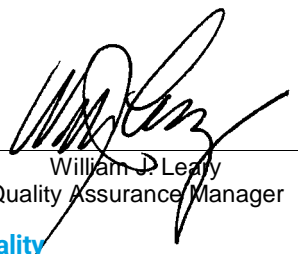
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

## Custom Standard

**Product Number:** CUS-12253**Page:** 5 of 5**Lot Number:** CG-4371**Lot Issue Date:** 20-Dec-2010**Expiration Date:** 30-Apr-2011

Analyte	CAS#	Analyte Lot	True Value
methyl methacrylate	000080-62-6	15810LB	200.6 ± 1.0 µg/mL
methylene chloride	000075-09-2	4606948191	200.6 ± 1.0 µg/mL
styrene	000100-42-5	LR-11228MQ	200.6 ± 1.0 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	200.6 ± 1.0 µg/mL
1,1,1,2,2-tetrachloroethane	000079-34-5	10917TB	200.6 ± 1.0 µg/mL
2,2,4-trimethylpentane	000540-84-1	45237	200.6 ± 1.0 µg/mL
1,3-butadiene	000106-99-0	14096PJ	200.9 ± 1.0 µg/mL
1-chloropropane	000540-54-5	CQ-01123HN	200.6 ± 1.0 µg/mL
2-chloropropane	000075-29-6	072157	200.6 ± 1.0 µg/mL

**Matrix:** methanol (methyl alcohol)**Storage:** Store at < 4° C

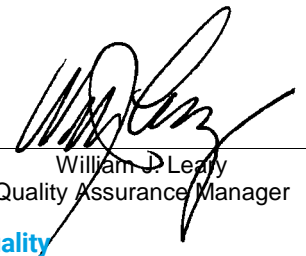
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851-01

ISO 9001:2008  
Registered  
TUV USA, Inc.  
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA  
401-294-9400 Fax: 295-2330  
[www.ultrasci.com](http://www.ultrasci.com)



William J. Leary  
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)