



Certificate of Analysis

Custom Standard

Product Number: CUS-6150

Page: 1 of 5

Lot Number: CH-3699

Lot Issue Date: 16-Nov-2011

Expiration Date: 31-Mar-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
pyridine	000110-86-1	01028CB	200.6 ± 1.0 µg/mL
N-nitrosodimethylamine	000062-75-9	RM00104	200.9 ± 1.0 µg/mL
2-fluorophenol	000367-12-4	09006DO	200.6 ± 1.0 µg/mL
aniline	000062-53-3	RM01326	200.6 ± 1.0 µg/mL
bis(2-chloroethyl) ether	000111-44-4	RM00079	200.4 ± 1.0 µg/mL
phenol-d5	004165-62-2	I1-9925B	200.6 ± 1.0 µg/mL
phenol	000108-95-2	RM01227	200.6 ± 1.0 µg/mL
2-chlorophenol-d4	093951-73-6	PR-12865	200.6 ± 1.0 µg/mL
2-chlorophenol	000095-57-8	RM01871	200.6 ± 1.0 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	200.6 ± 1.0 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	200.6 ± 1.0 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	200.6 ± 1.0 µg/mL
1,2-dichlorobenzene-d4	002199-69-1	PR-16654	200.6 ± 1.0 µg/mL
benzyl alcohol	000100-51-6	MQ11713BN	200.6 ± 1.0 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	444-49A	200.4 ± 1.0 µg/mL
2-methylphenol	000095-48-7	09416AA	200.6 ± 1.0 µg/mL
hexachloroethane	000067-72-1	RM02252-01	201.0 ± 1.0 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	RM01420	200.1 ± 1.0 µg/mL
3-methylphenol	000108-39-4	BG-03517AG	200.6 ± 1.0 µg/mL

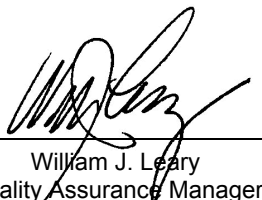
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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


William J. Leary
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Certificate of Analysis

Custom Standard

Product Number: CUS-6150

Page: 2 of 5

Lot Number: CH-3699

Lot Issue Date: 16-Nov-2011

Expiration Date: 31-Mar-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.

4-methylphenol	000106-44-5	JI-09410PI	200.6 ± 1.0 µg/mL
nitrobenzene-d5	004165-60-0	PR-16900	200.6 ± 1.0 µg/mL
nitrobenzene	000098-95-3	HK-2925LK	200.6 ± 1.0 µg/mL
isophorone	000078-59-1	PQ-10830MQ	200.6 ± 1.0 µg/mL
2-nitrophenol	000088-75-5	RM02400	200.6 ± 1.0 µg/mL
2,4-dimethylphenol	000105-67-9	RM02102	200.6 ± 1.0 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	RM01680	200.7 ± 1.0 µg/mL
2,4-dichlorophenol	000120-83-2	RM02094	200.6 ± 1.0 µg/mL
benzoic acid	000065-85-0	JM-00103JM	200.6 ± 1.0 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	200.6 ± 1.0 µg/mL
naphthalene	000091-20-3	1420JKB	200.1 ± 1.0 µg/mL
4-chloroaniline	000106-47-8	01310MW	200.6 ± 1.0 µg/mL
hexachlorobutadiene	000087-68-3	RM02247-01	200.6 ± 1.0 µg/mL
4-chloro-3-methylphenol	000059-50-7	RM01885	200.6 ± 1.0 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	200.6 ± 1.0 µg/mL
1-methylnaphthalene	000090-12-0	12114BE	200.6 ± 1.0 µg/mL
hexachlorocyclopentadiene	000077-47-4	RM00374-01	200.0 ± 1.0 µg/mL
2,4,6-trichlorophenol	000088-06-2	RM02568	200.6 ± 1.0 µg/mL
2,4,5-trichlorophenol	000095-95-4	DO-07521CO	200.6 ± 1.0 µg/mL

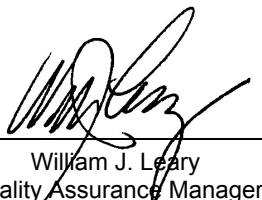
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSS Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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


William J. Leary
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Certificate of Analysis

Custom Standard

Product Number: CUS-6150

Page: 3 of 5

Lot Number: CH-3699

Lot Issue Date: 16-Nov-2011

Expiration Date: 31-Mar-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.

2-fluorobiphenyl	000321-60-8	01927KH	200.6 ± 1.0 µg/mL
2-chloronaphthalene	000091-58-7	FIE-01	200.6 ± 1.0 µg/mL
2-nitroaniline	000088-74-4	13201TU	200.6 ± 1.0 µg/mL
acenaphthylene	000208-96-8	RM00819	200.4 ± 1.0 µg/mL
dimethyl phthalate	000131-11-3	RM02377	200.8 ± 1.0 µg/mL
2,6-dinitrotoluene	000606-20-2	DU-08328CR	200.6 ± 1.0 µg/mL
3-nitroaniline	000099-09-2	NT00877	200.6 ± 1.0 µg/mL
acenaphthene	000083-32-9	29697-41	200.7 ± 1.0 µg/mL
2,4-dinitrophenol	000051-28-5	RM02105	200.6 ± 1.0 µg/mL
dibenzofuran	000132-64-9	KB080477	200.6 ± 1.0 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	200.6 ± 1.0 µg/mL
4-nitrophenol	000100-02-7	RM02404	200.6 ± 1.0 µg/mL
fluorene	000086-73-7	04003CK	200.1 ± 1.0 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	RM01878	200.1 ± 1.0 µg/mL
diethyl phthalate	000084-66-2	RM02379	200.5 ± 1.0 µg/mL
4-nitroaniline	000100-01-6	KL-3926DK	200.6 ± 1.0 µg/mL
1,2-diphenylhydrazine	000122-66-7	RM02093-01	200.0 ± 1.0 µg/mL
2-methyl-4,6-dinitrophenol	000534-52-1	RM02292	200.3 ± 1.0 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003	200.2 ± 1.0 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.



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


William J. Leary
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Certificate of Analysis

Custom Standard

Product Number: CUS-6150

Page: 4 of 5

Lot Number: CH-3699

Lot Issue Date: 16-Nov-2011

Expiration Date: 31-Mar-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.

2,4,6-tribromophenol	000118-79-6	RM-00912	200.6 ± 1.0 µg/mL
4-bromophenyl phenyl ether	000101-55-3	RM01804	200.7 ± 1.0 µg/mL
hexachlorobenzene	000118-74-1	RM03125-02	201.0 ± 1.0 µg/mL
pentachlorophenol	000087-86-5	RM02473	200.6 ± 1.0 µg/mL
phenanthrene	000085-01-8	1290378	200.3 ± 1.0 µg/mL
anthracene	000120-12-7	09924AY	200.2 ± 1.0 µg/mL
carbazole	000086-74-8	NT01163	201.0 ± 1.0 µg/mL
di-n-butyl phthalate	000084-74-2	AL-011687	200.3 ± 1.0 µg/mL
fluoranthene	000206-44-0	04221PU	200.1 ± 1.0 µg/mL
benzidine	000092-87-5	NT02120	200.0 ± 1.0 µg/mL
pyrene	000129-00-0	NT00925	200.2 ± 1.0 µg/mL
p-terphenyl-d14	001718-51-0	PR-15513	200.6 ± 1.0 µg/mL
butyl benzyl phthalate	000085-68-7	RM00960	200.4 ± 1.0 µg/mL
3,3'-dichlorobenzidine	000091-94-1	NT01952	201.0 ± 1.0 µg/mL
benz[a]anthracene	000056-55-3	RM01440	200.1 ± 1.0 µg/mL
chrysene	000218-01-9	RM00818	200.9 ± 1.0 µg/mL
bis(2-ethylhexyl) phthalate	000117-81-7	RM00081	200.4 ± 1.0 µg/mL
di-n-octyl phthalate	000117-84-0	RM01159	200.2 ± 1.0 µg/mL
benzo[b]fluoranthene	000205-99-2	RM01444	200.1 ± 1.0 µg/mL

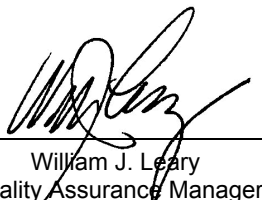
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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


William J. Leary
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Certificate of Analysis

Custom Standard

Product Number: CUS-6150

Page: 5 of 5

Lot Number: CH-3699

Lot Issue Date: 16-Nov-2011

Expiration Date: 31-Mar-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.

benzo[k]fluoranthene	000207-08-9	RM01441	200.8 ± 1.0 µg/mL
benzo[a]pyrene	000050-32-8	RM01390	200.4 ± 1.0 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	KY-29700-11	200.1 ± 1.0 µg/mL
dibenz[a,h]anthracene	000053-70-3	EMM-30719-70	200.1 ± 1.0 µg/mL
benzo[ghi]perylene	000191-24-2	RM01438	200.7 ± 1.0 µg/mL
1,4-dioxane	000123-91-1	05340DD	200.6 ± 1.0 µg/mL

Matrix: methylene chloride/benzene/methanol (90:7.5:2.5)

Storage: Store at < 4° C

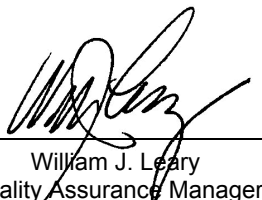
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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


William J. Leary
Quality Assurance Manager

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality