



Certificate of Analysis

Custom Standard

Product Number: CUS-7281

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Lot Number: CJ-0527

Lot Issue Date: 17-Feb-2012

Expiration Date: 31-Mar-2014

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
acenaphthene	000083-32-9	RM00070-04	401.2 ± 2.0 µg/mL
acenaphthylene	000208-96-8	RM00819-02	401.2 ± 2.0 µg/mL
anthracene	000120-12-7	RM03477-01	401.2 ± 2.0 µg/mL
benz[a]anthracene	000056-55-3	RM01440-10	401.2 ± 2.0 µg/mL
benzo[b]fluoranthene	000205-99-2	RM01444-01	401.2 ± 2.0 µg/mL
benzo[k]fluoranthene	000207-08-9	RM0441-02	401.2 ± 2.0 µg/mL
benzo[ghi]perylene	000191-24-2	RM01438-11	401.2 ± 2.0 µg/mL
benzo[a]pyrene	000050-32-8	RM03901-01	401.2 ± 2.0 µg/mL
benzo[e]pyrene	000192-97-2	RM02846-05	402.0 ± 2.0 µg/mL
benzene	000071-43-2	31072	401.2 ± 2.0 µg/mL
chrysene	000218-01-9	RM01747-01	401.2 ± 2.0 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM01502	401.2 ± 2.0 µg/mL
dibenzofuran	000132-64-9	KB-080477	400.8 ± 2.0 µg/mL
dibenzothiophene	000132-65-0	DZ-04931CZ	400.4 ± 2.0 µg/mL
ethylbenzene	000100-41-4	033067	401.0 ± 2.0 µg/mL
fluoranthene	000206-44-0	NT00940	401.2 ± 2.0 µg/mL
fluorene	000086-73-7	NT00941	401.2 ± 2.0 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM03401-10	401.2 ± 2.0 µg/mL
isopropylbenzene	000098-82-8	EN-00621TG	401.2 ± 2.0 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
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4-isopropyltoluene	000099-87-6	PP-05104CP	400.8 ± 2.0 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	400.4 ± 2.0 µg/mL
1-methylnaphthalene	000090-12-0	LD-090697	400.8 ± 2.0 µg/mL
naphthalene	000091-20-3	RM02406-02	401.2 ± 2.0 µg/mL
phenanthrene	000085-01-8	RM03476-01	401.2 ± 2.0 µg/mL
pyrene	000129-00-0	RM03479-01	401.2 ± 2.0 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	401.6 ± 2.0 µg/mL
styrene	000100-42-5	MQ-11228MQ	401.2 ± 2.0 µg/mL
toluene	000108-88-3	43045	401.2 ± 2.0 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	400.8 ± 2.0 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	400.8 ± 2.0 µg/mL
m-xylene	000108-38-3	DI-00459CJ	200.4 ± 1.0 µg/mL
p-xylene	000106-42-3	03747LN	200.5 ± 1.0 µg/mL
o-xylene	000095-47-6	DO-06034CO	400.8 ± 2.0 µg/mL
sec-butylbenzene	000135-98-8	MR-11305DN	401.6 ± 2.0 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	401.0 ± 2.0 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at < 4° C

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