



Certificate of Analysis

Custom Standard

Product Number: CUS-4192

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Lot Number: CS-0173

Lot Issue Date: 15-Jan-2018

Expiration Date: 28-Feb-2020

This ISO Guide 34 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
naphthalene	000091-20-3	RM02406	4013 ± 20 µg/mL
acenaphthylene	000208-96-8	RM10891	4016 ± 20 µg/mL
1-methylnaphthalene	000090-12-0	RM07712	4007 ± 20 µg/mL
2-methylnaphthalene	000091-57-6	RM01258	4012 ± 20 µg/mL
acenaphthene	000083-32-9	RM10891	4015 ± 20 µg/mL
fluorene	000086-73-7	RM09441	401.6 ± 2.0 µg/mL
phenanthrene	000085-01-8	RM10495	200.2 ± 1.0 µg/mL
anthracene	000120-12-7	RM03477	200.2 ± 1.0 µg/mL
fluoranthene	000206-44-0	RM12277	400.7 ± 2.0 µg/mL
pyrene	000129-00-0	RM03479	401.6 ± 2.0 µg/mL
benz[a]anthracene	000056-55-3	RM12235	40.1 ± 0.2 µg/mL
chrysene	000218-01-9	RM12973	200.0 ± 1.0 µg/mL
benzo[b]fluoranthene	000205-99-2	RM09988	50.0 ± 0.3 µg/mL
benzo[k]fluoranthene	000207-08-9	RM10962	25.0 ± 0.1 µg/mL
benzo[a]pyrene	000050-32-8	RM06930	25.0 ± 0.1 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM06786	50.2 ± 0.3 µg/mL
benzo[ghi]perylene	000191-24-2	RM10337	50.0 ± 0.3 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM06789	100.3 ± 0.5 µg/mL

Matrix: methylene chloride (dichloromethane)

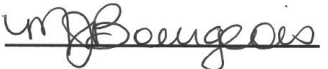
Storage: Store at Room Temperature (15° to 30°C).

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 9001
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