



Certificate of Analysis

PAH Mixture

**Agilent Part
Number:** 8500-5963

**Sample Lot
Number:** CJ-3075

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value for each analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene	000083-32-9	RM00070	100.2 ± 0.5 µg/mL
acenaphthylene	000208-96-8	RM00819	100.2 ± 0.5 µg/mL
anthracene	000120-12-7	RM03477	100.3 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	RM01440	100.2 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	RM01444	100.1 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	RM01441	100.0 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	RM01438	100.1 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	RM03901	100.1 ± 0.5 µg/mL
chrysene	000218-01-9	RM01747	100.1 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM01502	100.1 ± 0.5 µg/mL
fluoranthene	000206-44-0	NT00940	100.0 ± 0.5 µg/mL
fluorene	000086-73-7	RM00096	100.0 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM03401	100.1 ± 0.5 µg/mL
naphthalene	000091-20-3	RM02406	100.1 ± 0.5 µg/mL
phenanthrene	000085-01-8	NT00954	100.1 ± 0.5 µg/mL
pyrene	000129-00-0	RM03479	100.1 ± 0.5 µg/mL

Solvent: methylene chloride (dichloromethane)

ULTRA Scientific uses calibrated Class A glassware and clean bottles in the manufacture of ULTRA standards. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Date of release: 18 September 2012

Date of expiration: 30 September 2013

William J. Lear
Quality Assurance Manager