



Agilent Technologies



## Certificate of Analysis

### PAH Mixture

**Agilent Part  
Number:** 8500-5963

**Sample Lot  
Number:** CJ-0651

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	RM00070-04	100.3 ± 0.5 µg/mL
acenaphthylene	000208-96-8	RM00819-02	100.3 ± 0.5 µg/mL
anthracene	000120-12-7	RM03477-01	100.3 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	RM01440-10	100.3 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	RM01444-01	100.3 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	RM01441-02	100.3 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	RM01438-11	100.3 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	RM03901-01	100.3 ± 0.5 µg/mL
chrysene	000218-01-9	RM01747-01	100.3 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM01502	100.3 ± 0.5 µg/mL
fluoranthene	000206-44-0	NT00940	100.3 ± 0.5 µg/mL
fluorene	000086-73-7	NT00941	100.3 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM03401-10	100.3 ± 0.5 µg/mL
naphthalene	000091-20-3	RM02406-02	100.3 ± 0.5 µg/mL
phenanthrene	000085-01-8	RM03476-01	100.3 ± 0.5 µg/mL
pyrene	000129-00-0	RM03479-01	100.3 ± 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:** 06 March 2012

**Date of expiration:** 31 March 2013

  
William J. Lear  
Quality Assurance Manager