



Certificate of Analysis

PAH Mixture

**Agilent Part
Number:****8500-5963****Sample Lot
Number:****CC-0500**

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001:2000 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. 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	29697-41	100.2 ± 0.5 µg/mL
acenaphthylene	000208-96-8	34267-35	100.2 ± 0.5 µg/mL
anthracene	000120-12-7	34704-77	100.2 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	34764-06	100.2 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	33385-53	100.2 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	100.2 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	34750-40	100.2 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	02903HB	100.2 ± 0.5 µg/mL
chrysene	000218-01-9	33385-57	100.2 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	35091-73	100.2 ± 0.5 µg/mL
fluoranthene	000206-44-0	34260-17	100.2 ± 0.5 µg/mL
fluorene	000086-73-7	35001-29	100.2 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	35081-09	100.2 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.2 ± 0.5 µg/mL
phenanthrene	000085-01-8	31533-29	100.2 ± 0.5 µg/mL
pyrene	000129-00-0	AJO-22599-73	100.2 ± 0.5 µg/mL

Matrix: methylene chloride (dichloromethane)

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: 21 February, 2006**Date of expiration: 31 March, 2008***Edward Fitzgerald- PHD***Edward Fitzgerald
Senior Chemist**

Ultra Scientific, Inc