



Certificate of Analysis

Rev 4 PAH Mix

**Agilent Part
Number:** 5190-0487**Sample Lot
Number:** CG-0408

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
benzo[a]pyrene	000050-32-8	ER050707-01	250.5 ± 1.3 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	250.5 ± 1.3 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ER082107-02	250.5 ± 1.3 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	250.5 ± 1.3 µg/mL
dibenzo[a,i]pyrene	000189-55-9	00201009	251.0 ± 1.3 µg/mL
dibenzo[a,e]pyrene	000192-65-4	ER091007-01	251.0 ± 1.3 µg/mL
dibenzo[a,l]pyrene	000191-30-0	8686-10-28	251.0 ± 1.3 µg/mL
dibenzo[a,h]pyrene	000189-64-0	35081-96	251.0 ± 1.3 µg/mL
benz[a]anthracene	000056-55-3	ER100206-02	250.5 ± 1.3 µg/mL
chrysene	000218-01-9	ER081006-02	250.5 ± 1.3 µg/mL
cyclopenta[c,d]pyrene	027208-37-3	EB-1439	251.0 ± 1.3 µg/mL
5-methylchrysene	003697-24-3	ER112205-01	251.0 ± 1.3 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	250.5 ± 1.3 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	250.5 ± 1.3 µg/mL
benzo[j]fluoranthene	000205-82-3	35083-93	251.0 ± 1.3 µg/mL
benzo[c]fluorene	000205-12-9	60724/91233	251.0 ± 1.3 µg/mL

Solvent: acetone/methylene chloride (80:20)

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: 04 February 2010**Date of expiration:** 31 March 2012
William J. Lear
Quality Assurance Manager