



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's ISO 9001:2000 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

Matrix: acetone/methylene chloride (80:20)

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

Date of release: 4 February, 2010

Date of expiration: 31 March, 2012

William J. Lea
Quality Assurance Manager