



Certificate of Analysis

PAH Mixture

Agilent Part Number: 8500-5963

Sample Lot Number: N082776

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

| Analyte | CAS# | Analyte Lot | Certified Value |
|------------------------|-------------|-------------|-------------------|
| acenaphthene | 000083-32-9 | NT00919 | 100.2 ± 0.5 µg/mL |
| acenaphthylene | 000208-96-8 | RM10891 | 100.3 ± 0.5 µg/mL |
| anthracene | 000120-12-7 | RM03477 | 100.4 ± 0.5 µg/mL |
| benz[a]anthracene | 000056-55-3 | RM11340 | 100.4 ± 0.5 µg/mL |
| benzo[b]fluoranthene | 000205-99-2 | RM09988 | 100.3 ± 0.5 µg/mL |
| benzo[k]fluoranthene | 000207-08-9 | RM10962 | 100.3 ± 0.5 µg/mL |
| benzo[ghi]perylene | 000191-24-2 | RM10337 | 100.4 ± 0.5 µg/mL |
| benzo[a]pyrene | 000050-32-8 | RM06930 | 100.2 ± 0.5 µg/mL |
| chrysene | 000218-01-9 | RM11308 | 100.4 ± 0.5 µg/mL |
| dibenz[a,h]anthracene | 000053-70-3 | RM06786 | 100.2 ± 0.5 µg/mL |
| fluoranthene | 000206-44-0 | NT00940 | 100.3 ± 0.5 µg/mL |
| fluorene | 000086-73-7 | RM09441 | 100.4 ± 0.5 µg/mL |
| indeno[1,2,3-cd]pyrene | 000193-39-5 | RM06789 | 100.4 ± 0.5 µg/mL |
| naphthalene | 000091-20-3 | RM10445 | 100.2 ± 0.5 µg/mL |
| phenanthrene | 000085-01-8 | RM10495 | 100.2 ± 0.5 µg/mL |
| pyrene | 000129-00-0 | RM03479 | 100.4 ± 0.5 µg/mL |

Solvent: methylene chloride (dichloromethane)

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. 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: 30 August 2017
Date of expiration: 30 September 2018


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