

NEW

Polynuclear Aromatic Hydrocarbons (PAHs)

Manufactured by Reagecon

Reagecon
Delivering the Correct Result

Why use Reagecon's PAH Standards?

Commercial Benefits	Technical Benefits
<ul style="list-style-type: none">• Ready to use (dilute for use as calibration and/or quality control standards)• Extensive range of organic compound mixes and single compound standards available• Can be used with a variety of instruments including GC, GC-MS HPLC and LC-MS• Designed specifically for use in EPA or EU analytical methods• Presented in high quality amber ampoules• Customised formulations available	<ul style="list-style-type: none">• Uncertainty of measurement (gravimetric) up to $\pm 0.6\%$• Uncertainty of measurement (verification procedure) $\pm 1.8\%$• Produced in accordance with EPA methods• Consistency of product -- Independent, traceable, certified.• Certificates of Analysis and SDS available online• Ideal for use in EPA 500, 600 and 8000 series methods• Compound mix REPAH008 designed specifically for use in EPA 8310 method



The products range from:-

- 1 to 2,000 $\mu\text{g/ml}$ (Mixed Standards)**
- 2,000 $\mu\text{g/ml}$ (Single Component Standards)**

These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for weighing, (ref. 265C) and the resulting certificate is issued in accordance with the requirements of ISO/IEC 17025. The concentration of each standard is verified using a high performance calibrated Gas Chromatography-Mass Spectrometer (GC-MS). The calibration of the GC-MS involves the use of high purity ISO Guide 34 accredited PAH standards similar in PAH concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.

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Polynuclear Aromatic Hydrocarbons (PAHs) Mixed Standards

Code	Description	Concentration $\mu\text{g/ml}$	Packed in ampoule (ml)	US EPA Methods
REPAH001 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	Each analyte at 2,000 $\mu\text{g/ml}$ in high-purity Benzene:Dichloromethane (Methylene Chloride)	1	610, 625, 8100
REPAH002 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	Each analyte at 1,000 $\mu\text{g/ml}$ in high-purity Benzene:Dichloromethane (Methylene Chloride)	1	610, 625, 8100

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Code	Description	Concentration µg/ml	Packed in ampoule (ml)	US EPA Methods
REPAH003 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Fluoroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)fluoroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)fluoroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	1000 100 100 100 200 200 1000 100 100 100 200 200 200 100 100 2000	1	610, 625, 8100
		Each analyte at above concentrations in high-purity Methanol:Acetone 1:1		
REPAH004 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Fluoroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)fluoroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)fluoroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	Each analyte at 1,000 µg/ml in high- purity Toluene	1	610, 625, 8100

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Code	Description	Concentration µg/ml	Packed in ampoule (ml)	US EPA Methods
REPAH005 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	Each analyte at 100 µg/ml in high-purity Acetone	1	610, 625, 8100
REPAH006 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene 30/11/2012	Each analyte at 2,000 µg/ml in high-purity Toluene	1	610, 625, 8100

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Code	Description	Concentration µg/ml	Packed in ampoule (ml)	US EPA Methods
REPAH007 (16 Compound Mix)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	Each analyte at 500 µg/ml in high-purity Toluene	1	610, 625, 8100
REPAH008 (16 Compound Mix for EPA 8310 HPLC- UV/FLV)	Acenaphthene Anthracene Benzo(a)anthracene Chrysene Flouroanthene Fluorene Naphthalene Phenanthrene Pyrene Benzo(a)pyrene Benzo(b)flouroanthene Benzo(g,h,i)perylene Dibenzo(a,h)anthracene Benzo(k)flouroanthene Indeno(1,2,3-cd)pyrene Acenaphthylene	1000 50 1 50 50 100 1000 50 50 5 1 5 10 1 10 1000 Each analyte at above concentrations in high-purity Acetonitrile	1	8310

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Polynuclear Aromatic Hydrocarbons (PAHs) Single Component Standards

Code	Description	Concentration µg/ml	Packed in ampoule (ml)	US EPA Methods
REPAH101	Acenaphthene	2000ug/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH102	Anthracene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH103	Benzo(a)anthracene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH104	Chrysene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH105	Flouroanthene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH106	Fluorene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH107	Naphthalene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH108	Phenanthrene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310

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Code	Description	Concentration µg/ml	Packed in ampoule (ml)	US EPA Methods
REPAH109	Pyrene	2000ug/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH110	Benzo(a)pyrene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH111	Benzo(b)flouroanthene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH112	Benzo(g,h,i)perylene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH113	Dibenzo(a,h)anthracene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH114	Benzo(k)flouroanthene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH115	Indeno(1,2,3-cd)pyrene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310
REPAH116	Acenaphthylene	2,000 µg/ml in high-purity Toluene	1	610, 625, 8100, 8310

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