

## Mix Coal Tar/Petroleum Extract in Methylene Chloride

Art. ID	NIST-1991
Unit	5 x 1.2 mL
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1593 III E1

### Description

This Standard Reference Material (SRM®) is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), particularly in determining relative response factors for ASTM Method D7363-11 ?Standard Test Method for Determination of Parent and Alkyl Polycyclic Aromatics in Sediment Pore Water Using Solid-Phase Microextraction and Gas Chromatography/Mass Spectrometry in Selected Ion Monitoring Mode?. All of the constituents for which certified, reference, and information values are provided are naturally present in the extract. A unit of NIST-1991 consists of five ampoules each containing 1.2 mL of a methylene chloride solution. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Effective coverage fact or k: 2,02	Naphthalene	[91-20-3]	26.0 ± 1.1	mg/kg		
Effective coverage fact or k: 1,97	1-Methylnaphthalene	[90-12-0]	8.02 ± 0.32	mg/kg		
Effective coverage fact or k: 1,98	2-Methylnaphthalene	[91-57-6]	11.7 ± 0.5	mg/kg		
Effective coverage fact or k: 1,97	Biphenyl	[92-52-4]	2.03 ± 0.06	mg/kg		
Effective coverage fact or k: 1,97	Dibenzothiophene	[132-65-0]	1.20 ± 0.06	mg/kg		
Effective coverage fact or k: 1,96	Phenanthrene	[85-01-8]	12.1 ± 0.6	mg/kg		
Effective coverage fact or k: 1,97	Anthracene	[120-12-7]	3.33 ± 0.43	mg/kg		
Effective coverage fact or k: 1,97	1-Methylphenanthrene	[832-69-9]	1.54 ± 0.12	mg/kg		
Effective coverage fact or k: 1,97	3-Methylphenanthrene	[832-71-3]	2.40 ± 0.10	mg/kg		
Effective coverage fact or k: 1,97	9-Methylphenanthrene	[883-20-5]	1.17 ± 0.05	mg/kg		
Effective coverage fact or k: 1,96	2-Methylanthracene	[613-12-7]	1.35 ± 0.04	mg/kg		
Effective coverage fact or k: 1,97	4H-Cyclopenta(def)phena nthrene	[203-64-5]	1.80 ± 0.15	mg/kg		
Effective coverage fact	Fluoranthene	[206-44-0]	3.54 ± 0.39	mg/kg		

or k: 1,97				
Effective coverage fact	Pyrene	[129-00-0]	5.91 ± 0.16	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(g,h,i)fluoranthene	[203-12-3]	0.292 ± 0.019	mg/kg
or k: 1,96	e			
Effective coverage fact	Benzo(c)phenanthrene	[195-19-7]	0.440 ± 0.025	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(a)anthracene	[56-55-3]	1.79 ± 0.21	mg/kg
or k: 1,97				
Effective coverage fact	Chrysene	[218-01-9]	1.32 ± 0.15	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(a)fluoranthene	[203-33-8]	0.342 ± 0.020	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(b)fluoranthene	[205-99-2]	0.565 ± 0.050	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(j)fluoranthene	[205-82-3]	0.479 ± 0.041	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(k)fluoranthene	[207-08-9]	0.336 ± 0.012	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(e)pyrene	[192-97-2]	0.652 ± 0.028	mg/kg
or k: 1,97				
Effective coverage fact	Benzo(a)pyrene	[50-32-8]	1.33 ± 0.12	mg/kg
or k: 1,97				
Effective coverage fact	Perylene	[198-55-0]	0.203 ± 0.017	mg/kg
or k: 1,96				
Effective coverage fact	Benzo(g,h,i)perylene	[191-24-2]	0.549 ± 0.028	mg/kg
or k: 1,97				
Effective coverage fact	Indeno(1,2,3-cd)pyrene	[193-39-5]	0.382 ± 0.030	mg/kg
or k: 1,97				
Effective coverage fact	Dibenz(a,c)anthracene	[215-58-7]	0.071 ± 0.003	mg/kg
or k: 1,96				
Effective coverage fact	Dibenz(a,h)anthracene	[53-70-3]	0.128 ± 0.025	mg/kg
or k: 1,96				
Effective coverage fact	Benzo(b)chrysene	[214-17-5]	0.183 ± 0.015	mg/kg
or k: 1,97				
Effective coverage fact	Picene	[213-46-7]	0.121 ± 0.017	mg/kg
or k: 1,97				