

## **PAHs in Toluene**

Art. ID	NIST-2260a
Unit	5 x 1,2 mL
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1294 II E2

### Description

This Standard Reference Material (SRM®) is a solution of aromatic hydrocarbons, primarily polycyclic aromatic hydrocarbons (PAHs) ranging in molecular mass from 128 u to 302 u, in toluene. This SRM is intended for use in the calibration of chromatographic instrumentation used for the determination of aromatic hydrocarbons, primarily PAHs. A unit of NIST-2260a consists of five 2 mL ampoules, each containing approximately 1.2 mL of solution. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Naphthalene	[91-20-3]	11,43 ± 0,30	µg/g		
	Biphenyl	[92-52-4]	5,61 ± 0,14	µg/g		
	Acenaphthylene	[208-96-8]	6,26 ± 0,20	µg/g		
	Acenaphthene	[83-32-9]	5,55 ± 0,13	µg/g		
	Fluorene	[86-73-7]	4,71 ± 0,11	µg/g		
	Dibenzothiophene	[132-65-0]	4,39 ± 0,17	µg/g		
	Phenanthrene	[85-01-8]	11,57 ± 0,12	µg/g		
	Anthracene	[120-12-7]	3,736 ± 0,054	µg/g		
	4H-Cyclopenta(def)phenanthrene	[203-64-5]	2,32 ± 0,11	µg/g		
	Fluoranthene	[206-44-0]	8,324 ± 0,087	µg/g		
	Pyrene	[129-00-0]	8,949 ± 0,083	µg/g		
	Benzo(g,h,i)fluoranthene	[203-12-3]	3,414 ± 0,045	µg/g		
	Cyclopenta(c,d)pyrene	[27208-37-3]	1,958 ± 0,024	µg/g		
	Benzo(c)phenanthrene	[195-19-7]	4,608 ± 0,036	µg/g		
	Benzo(a)anthracene	[56-55-3]	4,415 ± 0,078	µg/g		
	Chrysene	[218-01-9]	4,62 ± 0,11	µg/g		
	Triphenylene	[217-59-4]	4,12 ± 0,16	µg/g		
	Benzo(b)fluoranthene	[205-99-2]	7,86 ± 0,10	µg/g		
	Benzo(j)fluoranthene	[205-82-3]	4,145 ± 0,097	µg/g		
	Benzo(k)fluoranthene	[207-08-9]	3,444 ± 0,036	µg/g		
	Benzo(a)fluoranthene	[203-33-8]	2,279 ± 0,064	µg/g		
	Benzo(e)pyrene	[192-97-2]	4,561 ± 0,054	µg/g		
	Benzo(a)pyrene	[50-32-8]	4,71 ± 0,17	µg/g		
	Perylene	[198-55-0]	4,430 ± 0,045	µg/g		
	Indeno(1,2,3-cd)pyrene	[193-39-5]	4,425 ± 0,030	µg/g		

Benzo(g,h,i)perylene	[191-24-2]	5,669 ± 0,069	µg/g
Dibenz(a,h)anthracene	[53-70-3]	4,555 ± 0,063	µg/g
Dibenz(a,c)anthracene	[215-58-7]	2,912 ± 0,026	µg/g
Dibenz(a,j)anthracene	[224-41-9]	4,539 ± 0,062	µg/g
Picene	[213-46-7]	3,257 ± 0,047	µg/g
Benzo(b)chrysene	[214-17-5]	4,092 ± 0,033	µg/g
Anthanthrene	[191-26-4]	2,205 ± 0,029	µg/g
Coronene	[191-07-1]	2,255 ± 0,033	µg/g
Dibenzo(b,k)fluoranthene	[205-97-0]	1,646 ± 0,068	µg/g
Dibenzo(a,e)pyrene	[192-65-4]	2,277 ± 0,023	µg/g
Naphthalene	[91-20-3]	9,89 ± 0,26	µg/mL
Biphenyl	[92-52-4]	4,85 ± 0,12	µg/mL
Acenaphthylene	[208-96-8]	5,41 ± 0,17	µg/mL
Acenaphthene	[83-32-9]	4,80 ± 0,11	µg/mL
Fluorene	[86-73-7]	4,07 ± 0,10	µg/mL
Dibenzothiophene	[132-65-0]	3,80 ± 0,15	µg/mL
Phenanthrene	[85-01-8]	10,01 ± 0,10	µg/mL
Anthracene	[120-12-7]	3,231 ± 0,047	µg/mL
4H-Cyclopenta(def)phenanthrene	[203-64-5]	2,01 ± 0,10	µg/mL
Fluoranthene	[206-44-0]	7,200 ± 0,075	µg/mL
Pyrene	[129-00-0]	7,741 ± 0,072	µg/mL
Benzo(g,h,i)fluoranthene	[203-12-3]	2,953 ± 0,039	µg/mL
Cyclopenta(c,d)pyrene	[27208-37-3]	1,694 ± 0,021	µg/mL
Benzo(c)phenanthrene	[195-19-7]	3,986 ± 0,031	µg/mL
Benzo(a)anthracene	[56-55-3]	3,819 ± 0,067	µg/mL
Chrysene	[218-01-9]	4,00 ± 0,10	µg/mL
Triphenylene	[217-59-4]	3,56 ± 0,14	µg/mL
Benzo(b)fluoranthene	[205-99-2]	6,80 ± 0,09	µg/mL
Benzo(j)fluoranthene	[205-82-3]	3,585 ± 0,084	µg/mL
Benzo(k)fluoranthene	[207-08-9]	2,979 ± 0,031	µg/mL
Benzo(a)fluoranthene	[203-33-8]	1,971 ± 0,055	µg/mL
Benzo(e)pyrene	[192-97-2]	3,945 ± 0,047	µg/mL
Benzo(a)pyrene	[50-32-8]	4,07 ± 0,15	µg/mL
Perylene	[198-55-0]	3,83 ± 0,039	µg/mL
Indeno(1,2,3-cd)pyrene	[193-39-5]	3,828 ± 0,026	µg/mL

Benzo(g,h,i)perylene	[191-24-2]	4,904 ± 0,060	µg/mL
Dibenz(a,h)anthracene	[53-70-3]	3,940 ± 0,054	µg/mL
Dibenz(a,c)anthracene	[215-58-7]	2,519 ± 0,022	µg/mL
Dibenz(a,j)anthracene	[224-41-9]	3,926 ± 0,054	µg/mL
Picene	[213-46-7]	2,817 ± 0,041	µg/mL
Benzo(b)chrysene	[214-17-5]	3,540 ± 0,029	µg/mL
Anthanthrene	[191-26-4]	1,907 ± 0,025	µg/mL
Coronene	[191-07-1]	1,951 ± 0,029	µg/mL
Dibenzo(b,k)fluoranthene	[205-97-0]	1,424 ± 0,059	µg/mL
Dibenzo(a,e)pyrene	[192-65-4]	1,970 ± 0,020	µg/mL