

Fine Atmospheric Particulate Matter (Mean Particle Diameter smaller 4 µm)

Art. ID	NIST-2786
Unit	1 bottle
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), nitro-substituted PAHs, polybrominated diphenyl ether (PBDE) congeners, hexabromocyclododecane (HBCD) isomers, sugars, polychlorinated dibenzo-p-dioxin (PCDD) and dibenzofuran (PCDF) congeners, inorganic constituents, and particle-size characteristics in atmospheric particulate material and similar matrices. All of the constituents for which certified, reference, and information values are provided are naturally present in the particulate matter. A unit of NIST-2786 consists of one bottle containing between 100 mg and 140 mg of particulate matter. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Dry-mass basis	Fluorene	[86-73-7]	0,195 ± 0,014	mg/kg		
Dry-mass basis	Fluoranthene	[206-44-0]	10,28 ± 0,36	mg/kg		
Dry-mass basis	Pyrene	[129-00-0]	8,01 ± 0,22	mg/kg		
Dry-mass basis	Benzo(g,h,i)fluoranthene	[203-12-3]	3,158 ± 0,098	mg/kg		
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Dry-mass basis	Benzo(c)phenanthrene	[195-19-7]	1,597 ± 0,052	mg/kg		
Dry-mass basis	Benzo(a)anthracene	[56-55-3]	4,82 ± 0,17	mg/kg		
Dry-mass basis	Chrysene	[218-01-9]	6,82 ± 0,53	mg/kg		
Dry-mass basis	Triphenylene	[217-59-4]	1,794 ± 0,041	mg/kg		
Dry-mass basis	Benzo(b)fluoranthene	[205-99-2]	7,51 ± 0,36	mg/kg		
Dry-mass basis	Benzo(j)fluoranthene	[205-82-3]	4,37 ± 0,32	mg/kg		
Dry-mass basis	Benzo(k)fluoranthene	[207-08-9]	3,48 ± 0,32	mg/kg		
Dry-mass basis	Benzo(a)fluoranthene	[203-33-8]	0,898 ± 0,037	mg/kg		
Dry-mass basis	Benzo(e)pyrene	[192-97-2]	4,77 ± 0,28	mg/kg		
Dry-mass basis	Benzo(a)pyrene	[50-32-8]	3,70 ± 0,13	mg/kg		
Dry-mass basis	Perylene	[198-55-0]	0,769 ± 0,020	mg/kg		
Dry-mass basis	Benzo(g,h,i)perylene	[191-24-2]	5,60 ± 0,41	mg/kg		
Dry-mass basis	Indeno(1,2,3-cd)pyrene	[193-39-5]	4,87 ± 0,36	mg/kg		
Dry-mass basis	Dibenz(a,c)anthracene	[215-58-7]	0,509 ± 0,052	mg/kg		
Dry-mass basis	Dibenz(a,j)anthracene	[224-41-9]	0,610 ± 0,015	mg/kg		
Dry-mass basis	Dibenz(a,h)anthracene	[53-70-3]	0,717 ± 0,029	mg/kg		
Dry-mass basis	Benzo(b)chrysene	[214-17-5]	0,662 ± 0,022	mg/kg		
Dry-mass basis	Picene	[213-46-7]	1,242 ± 0,031	mg/kg		
Dry-mass basis	Coronene	[191-07-1]	2,156 ± 0,087	mg/kg		
Dry-mass basis	Dibenzo(b,k)fluoranthene	[205-97-0]	1,013 ± 0,082	mg/kg		

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Dry-mass basis	Dibenzo(a,e)pyrene	[192-65-4]	0,812 ± 0,081	mg/kg
Dry-mass basis	9-Nitroanthracene	[602-60-8]	841 ± 51	µg/kg
Dry-mass basis	1-Nitropyrene	[5522-43-0]	85,9 ± 5,5	µg/kg
Dry-mass basis	2-Nitrofluoranthene	[13177-29-2]	330 ± 37	µg/kg
Dry-mass basis	2,2',4,4',5-Pentabromodiphenyl ether (PBDE 99)	[60348-60-9]	7,60 ± 0,03	µg/kg
Dry-mass basis	Decabromodiphenyl ether (PBDE 209)	[1163-19-5]	243 ± 14	µg/kg
Dry-mass basis	Mercury (Hg) total		5,32 ± 0,14	mg/kg
Dry-mass basis	Aluminium (Al)	[7429-90-5]	33480 ± 700	mg/kg
Dry-mass basis	Chromium (Cr)	[7440-47-3]	462,2 ± 1,5	mg/kg
Dry-mass basis	Copper (Cu)	[7440-50-8]	847 ± 13	mg/kg
Dry-mass basis	Manganese (Mn)	[7439-96-5]	780 ± 39	mg/kg
Dry-mass basis	Vanadium (V)	[7440-62-2]	85,5 ± 6,5	mg/kg