

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

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| 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 | | |
| | e | | | | | |
| 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 |