

Diesel particulate matter - PAHs

Art. ID	NIST-2975
Unit	1 g
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) in diesel particulate matter and similar matrices. In addition to certified, reference, and information values for selected PAHs and nitro-substituted PAHs, reference or information values are provided for total extractable mass, particle-size distribution, and specific surface area. All of the chemical constituents for which certified, reference, and information values are provided in NIST-2975 are naturally present in the particulate material. A unit of NIST-2975 consists of a bottle containing 1 g of the diesel particulate matter collected from an industrial diesel-powered forklift. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Phenanthrene	[85-01-8]	17,0 ± 2,8	mg/kg		
	Fluoranthene	[206-44-0]	26,6 ± 5,1	mg/kg		
	Pyrene	[129-00-0]	0,90 ± 0,24	mg/kg		
	Benzo(a)anthracene	[56-55-3]	0,317 ± 0,066	mg/kg		
	Chrysene	[218-01-9]	4,56 ± 0,16	mg/kg		
	Triphenylene	[217-59-4]	5,22 ± 0,20	mg/kg		
	Benzo(j)fluoranthene	[205-82-3]	0,82 ± 0,11	mg/kg		
	Benzo(k)fluoranthene	[207-08-9]	0,678 ± 0,076	mg/kg		
	Benzo(e)pyrene	[192-97-2]	1,11 ± 0,10	mg/kg		
	Benzo(a)pyrene	[50-32-8]	0,0522 ± 0,043	mg/kg		
	Benzo(g,h,i)perylene	[191-24-2]	0,498 ± 0,044	mg/kg		