

Urban particulate matter - Constituent elements

Art. ID	NIST-1648a
Unit	2 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is atmospheric particulate matter collected in an urban area and is intended primarily for use as a control material and in the evaluation of methods used in the inorganic analysis of atmospheric particulate matter and materials with similar matrices. All constituents for which certified, reference, and information values are provided in NIST-1648a were naturally present in the material before processing. While not represented to be typical of the area where it was collected, nor of contemporary composition of an urban aerosol, its use should typify the analytical problems of atmospheric particulate samples obtained from industrialized urban areas. A unit of NIST-1648a consists of one bottle containing 2 g of atmospheric particulate matter. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Aluminium (Al)	[7429-90-5]	3,42	%		
	Arsenic (As)	[7440-38-2]	115	mg/kg		
	Bromine (Br)	[7726-95-6]	502	mg/kg		
	Calcium (Ca)	[7440-70-2]	5,84	%		
	Cadmium (Cd)	[7440-43-9]	75	mg/kg		
	Cerium (Ce)	[7440-45-1]	54,6	mg/kg		
	Chlorine (Cl)	[7782-50-5]	4543	mg/kg		
	Cobalt (Co)	[7440-48-4]	17,93	mg/kg		
	Chromium (Cr)	[7440-47-3]	402	mg/kg		
	Copper (Cu)	[7440-50-8]	610	mg/kg		
	Iron (Fe)	[7439-89-6]	3,92	%		
	Potassium (K)	[7440-09-7]	1,056	%		
	Magnesium (Mg)	[7439-95-4]	0,813	%		
	Manganese (Mn)	[7439-96-5]	790	mg/kg		
	Sodium (Na)	[7440-23-5]	4240	mg/kg		
	Nickel (Ni)	[7440-02-0]	81,1	mg/kg		
	Lead (Pb)	[7439-92-1]	0,655	%		
	Rubidium (Rb)	[7440-17-7]	51	mg/kg		
	Sulfur (S)	[7704-34-9]	5,51	%		
	Antimony (Sb)	[7440-36-0]	45,4	mg/kg		
	Strontium (Sr)	[7440-24-6]	215	mg/kg		
	Titanium (Ti)	[7440-32-6]	4021	mg/kg		
	Vanadium (V)	[7440-62-2]	127	mg/kg		
	Zinc (Zn)	[7440-66-6]	4800	mg/kg		