

**Marine sediment - Trace elements \*\*\*out of stock\*\*\***

Art. ID	NIST-2703
Unit	5 g
Deliverydetails	No Dangerous Good /not restricted

**Description**

Standard Reference Material (SRM®) 2703 is a marine sediment collected at the mouth of the Baltimore Harbor. NIST-2703 is primarily intended for use in evaluating analytical methods for the direct determination of selected elements in solid samples of marine or fresh water sediment and similar matrices. Direct and slurry sampling, as well as dissolution techniques using typically milligram size samples (<10 mg), can employ this NIST-in the user's procedures, all certified and reference values are based on measurements using a samples size of at least 0.7 mg. Techniques using large samples (100 mg) should use NIST-2702 Inorganics in Marine Sediment. All of the constituents for which certified, reference, and information values are provided in NIST-2703 were naturally present in the sediment material before processing. A unit of NIST-2703 consists of a bottle containing 5 g of radiationsterilized, freeze-dried sediment material. 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]	8,33 ± 0,22	%		
	Arsenic (As)	[7440-38-2]	45,5 ± 1,7	mg/kg		
	Barium (Ba)	[7440-39-3]	416 ± 32	mg/kg		
	Cadmium (Cd)	[7440-43-9]	0,811 ± 0,076	mg/kg		
	Cerium (Ce)	[7440-45-1]	125,5 ± 5,0	mg/kg		
	Cobalt (Co)	[7440-48-4]	27,70 ± 0,50	mg/kg		
	Iron (Fe)	[7439-89-6]	7,38 ± 0,32	%		
	Mercury (Hg)	[7439-97-6]	0,474 ± 0,066	mg/kg		
	Potassium (K)	[7440-09-7]	2,08 0,24	%		
	Lanthanum (La)	[7439-91-0]	75,9 ± 3,0	mg/kg		
	Manganese (Mn)	[7439-96-5]	1734 48	mg/kg		
	Sodium (Na)	[7440-23-5]	0,693 ± 0,019	%		
	Lead (Pb)	[7439-92-1]	130 ± 11	mg/kg		
	Rubidium (Rb)	[7440-17-7]	130 ± 11	mg/kg		
	Antimony (Sb)	[7440-36-0]	5,62 ± 0,26	mg/kg		
	Scandium (Sc)	[7440-20-2]	25,95 ± 0,68	mg/kg		
	Strontium (Sr)	[7440-24-6]	118 ± 18	mg/kg		
	Thorium (Th)	[7440-29-1]	20,22 ± 0,74	mg/kg		
	Titanium (Ti)	[7440-32-6]	0,880 ± 0,046	%		
	Uranium (U)	[7440-61-1]	8,99 ± 0,72	mg/kg		
	Vanadium (V)	[7440-62-2]	360 ± 13	mg/kg		
	Zinc (Zn)	[7440-66-6]	480 ± 22	mg/kg		