

Oyster Tissue - Trace elements and methyl mercury

Art. ID	NIST-1566b
Unit	25 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for use in evaluating analytical methods and instruments used for the determination of the mass fraction values of selected elements and proximates in marine bivalve tissue, foods, or similar materials. A unit of NIST-1566b contains approximately 25 g of freeze-dried oystertissue. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Calcium (Ca)	[7440-70-2]	0,0838 ± 0,0020	%		
Certified value	Chlorine (Cl)	[7782-50-5]	0,514 ± 0,010	%		
Certified value	Magnesium (Mg)	[7439-95-4]	0,1085 ± 0,0023	%		
Certified value	Potassium (K)	[7440-09-7]	0,652 ± 0,009	%		
Certified value	Sodium (Na)	[7440-23-5]	0,3297 ± 0,0053	%		
Certified value	Sulfur (S)	[7704-34-9]	0,6887 ± 0,0140	%		
Certified value	Aluminium (Al)	[7429-90-5]	197,2 ± 6,0	mg/kg		
Certified value	Arsenic (As)	[7440-38-2]	7,65 ± 0,65	mg/kg		
Certified value	Cadmium (Cd)	[7440-43-9]	2,48 ± 0,08	mg/kg		
Certified value	Cobalt (Co)	[7440-48-4]	0,371 ± 0,009	mg/kg		
Certified value	Copper (Cu)	[7440-50-8]	71,6 ± 1,6	mg/kg		
Certified value	Iron (Fe)	[7439-89-6]	205,8 ± 6,8	mg/kg		
Certified value	Lead (Pb)	[7439-92-1]	0,308 ± 0,009	mg/kg		
Certified value	Manganese (Mn)	[7439-96-5]	18,5 ± 0,2	mg/kg		
Certified value	Mercury (Hg) total		0,0371 ± 0,0013	mg/kg		
Certified value	Methylmercury (as Hg)		0,0132 ± 0,0007	mg/kg		
Certified value	Nickel (Ni)	[7440-02-0]	1,04 ± 0,09	mg/kg		
Certified value	Rubidium (Rb)	[7440-17-7]	3,26 ± 0,14	mg/kg		
Certified value	Selenium (Se)	[7782-49-2]	2,06 ± 0,15	mg/kg		
Certified value	Silver (Ag)	[7440-22-4]	0,666 ± 0,009	mg/kg		
Certified value	Thorium (Th)	[7440-29-1]	0,0367 ± 0,0043	mg/kg		
Certified value	Vanadium (V)	[7440-62-2]	0,577 ± 0,023	mg/kg		
Certified value	Zinc (Zn)	[7440-66-6]	1424 ± 46	mg/kg		
Reference value	Nitrogen (N)	[7727-37-9]	7,6 ± 0,4	%		
Reference value	Antimony (Sb)	[7440-36-0]	0,011 ± 0,002	%		
Reference value	Strontium (Sr)	[7440-24-6]	6,8 ± 0,2	%		
Reference value	Barium (Ba)	[7440-39-3]	8,6 ± 0,3	%		

Reference value	Tin (Sn)	[7440-31-5]	0,031 ± 0,008	%
Reference value	Boron (B)	[7440-42-8]	4,5 ± 1,9	%
Reference value	Titanium (Ti)	[7440-32-6]	12,24 ± 0,39	%
Reference value	Gold (Au)	[7440-57-5]	0,0106 ± 0,0028	%
Reference value	Uranium (U)	[7440-61-1]	0,2550 ± 0,0014	%
Reference value	Hydrogen (H)	[1333-74-0]	7,2 ± 0,4	%
Reference value, Mass Fraction as received	Moisture		4,6 ± 3,6	%
Reference value, Mass Fraction dry-mass basis	Moisture		0 (by definition)	%
Reference value, Mass Fraction as received	Solids		95,4 ± 3,6	%
Reference value, Mass Fraction dry-mass basis	Solids		100 (by definition)	%
Reference value, Mass Fraction as received	Ash		3,87 ± 0,09	%
Reference value, Mass Fraction dry-mass basis	Ash		4,05 ± 0,15	%
Reference value, Mass Fraction as received	Protein		42,6 ± 1,3	%
Reference value, Mass Fraction dry-mass basis	Protein		44,7 ± 2,6	%
Reference value, Mass Fraction as received	Protein Nitrogen		6,82 ± 0,20	%
Reference value, Mass Fraction dry-mass basis	Protein Nitrogen		7,16 ± 0,42	%
Reference value, Mass Fraction as received	Total Dietary Fiber		6,5 ± 1,6	%
Reference value, Mass Fraction dry-mass basis	Total Dietary Fiber		6,8 ± 1,4	%