

Typical diet - Trace elements

Art. ID	NIST-1548b
Unit	2 x 5 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended for the evaluation of methods for the determination of proximates, sugars, elements, amino acids, and fatty acids in mixed diets and food matrices and for quality assurance when assigning values to in-house control materials. NIST-1548b is a blended freeze-dried homogenate of foods served in a typical cafeteria, based loosely on the recipe used for NIST-1548a Typical Diet. A unit of NIST-1548b consists of two packets, each containing approximately 5 g of the freeze-dried homogenate of mixed foods. For non-certified values please ask for certificate. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Aluminium (Al)	[7429-90-5]	67,8 ± 1,2	mg/kg		
Certified Mass Fraction Value	Arsenic (As)	[7440-38-2]	0,0355 ± 0,0075	mg/kg		
Certified Mass Fraction Value	Barium (Ba)	[7440-39-3]	0,85 ± 0,11	mg/kg		
Certified Mass Fraction Value	Calcium (Ca)	[7440-70-2]	1604 ± 83	mg/kg		
Certified Mass Fraction Value	Cadmium (Cd)	[7440-43-9]	0,0327 ± 0,0022	mg/kg		
Certified Mass Fraction Value	Chlorine (Cl)	[7782-50-5]	10770 ± 740	mg/kg		
Certified Mass Fraction Value	Copper (Cu)	[7440-50-8]	2,03 ± 0,16	mg/kg		
Certified Mass Fraction Value	Iron (Fe)	[7439-89-6]	28,9 ± 4,1	mg/kg		
Certified Mass Fraction Value	Lead (Pb)	[7439-92-1]	0,0144 ± 0,0015	mg/kg		
Certified Mass Fraction Value	Magnesium (Mg)	[7439-95-4]	538 ± 41	mg/kg		
Certified Mass Fraction Value	Manganese (Mn)	[7439-96-5]	6,3 ± 0,21	mg/kg		
Certified Mass Fraction Value	Phosphorus (P)	[7723-14-0]	2410 ± 120	mg/kg		
Certified Mass Fraction Value	Potassium (K)	[7440-09-7]	5950 ± 430	mg/kg		

Certified Mass Fraction	Sodium (Na)	[7440-23-5]	6980 ± 760	mg/kg
Value				
Certified Mass Fraction	Strontium (Sr)	[7440-24-6]	3,69 ± 0,16	mg/kg
Value				
Certified Mass Fraction	Zinc (Zn)	[7440-66-6]	19,1 ± 1,1	mg/kg
Value				