

Spinach leaves - Trace elements

Art. ID	NIST-1570a
Unit	60 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for use in evaluating the reliability of analytical methods for the determination of major, minor, and trace elements, proximates, calories, and total dietary fiber in botanical materials, agricultural food products, and materials of similar matrix. A unit of NIST-1570a consists of 60 g of finely powdered dried spinach leaves. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Calcium (Ca)	[7440-70-2]	1,526 ± 0,066	%		
	Phosphorus (P)	[7723-14-0]	0,5187 ± 0,0067	%		
	Potassium (K)	[7440-09-7]	2,900 ± 0,026	%		
	Sodium (Na)	[7440-23-5]	1,821 ± 0,023	mg/kg		
	Aluminium (Al)	[7429-90-5]	310 ± 15	mg/kg		
	Arsenic (As)	[7440-38-2]	0,068 ± 0,012	mg/kg		
	Boron (B)	[7440-42-8]	37,7 ± 1,2	mg/kg		
	Cadmium (Cd)	[7440-43-9]	2,876 ± 0,058	mg/kg		
	Cobalt (Co)	[7440-48-4]	0,393 ± 0,030	mg/kg		
	Copper (Cu)	[7440-50-8]	12,22 ± 0,86	mg/kg		
	Manganese (Mn)	[7439-96-5]	76,0 ± 1,2	mg/kg		
	Mercury (Hg)	[7439-97-6]	0,0297 ± 0,0021	mg/kg		
	Nickel (Ni)	[7440-02-0]	2,142 ± 0,058	mg/kg		
	Selenium (Se)	[7782-49-2]	0,1152 ± 0,0043	mg/kg		
	Strontium (Sr)	[7440-24-6]	55,54 ± 0,50	mg/kg		
	Thorium (Th)	[7440-29-1]	0,0480 ± 0,0017	mg/kg		
	Vanadium (V)	[7440-62-2]	0,568 ± 0,017	mg/kg		
	Zinc (Zn)	[7440-66-6]	82,3 ± 3,9	mg/kg		