

Air-dried Spinach Powder Certified Reference Material for Nitrate and Trace Metals

Art. ID	NRC-SPIN-1
Unit	14 g
Deliverydetails	No Dangerous Good /not restricted

Description

SPIN-1 is a Certified Reference Material (CRM) prepared at the National Research Council Canada (NRC) from food grade air-dried spinach powder. A unit of SPIN-1 contains approximately 14 g of spinach powder in an amber glass bottle. This CRM is intended for the calibration of procedures and the development of methods for the determination of nitrate and trace metals in spinach or similar matrices.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Nitrate (NO ₃ ⁻)		22,53 ± 0,43	mg/g		
Certified value	Arsenic (As)	[7440-38-2]	0,70 ± 0,12	mg/kg		
Certified value	Cadmium (Cd)	[7440-43-9]	0,265 ± 0,030	mg/kg		
Certified value	Lead (Pb)	[7439-92-1]	2,33 ± 0,34	mg/kg		
Certified value	Selenium (Se)	[7782-49-2]	0,062 ± 0,032	mg/kg		
Certified value	Strontium (Sr)	[7440-24-6]	140,8 ± 9,9	mg/kg		
Certified value	Zinc (Zn)	[7440-66-6]	40,7 ± 2,0	mg/kg		
Reference value	Iron (Fe)	[7439-89-6]	1313 ± 85	mg/kg		
Reference value	Mercury (Hg)	[7439-97-6]	0,01	mg/kg		