

## **Inorganic Constituents in Hardwood Biomass Material**

Art. ID	NIST-2790
Unit	2 x 30 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM) is intended for use in validating methods for the determination of elements in hardwood biomass materials and similar matrices, and for qualifying in-house control materials. A unit of NIST-2790 consists of two bottles each containing approximately 30 g of material. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction	Arsenic (As)	[7440-38-2]	0,0335±0,0089	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Caesium (Cs)	[7440-46-2]	0,0199±0,001	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Chromium (Cr)	[7440-47-3]	1,59±0,15	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Cobalt (Co)	[7440-48-4]	0,098±0,012	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Iron (Fe)	[7439-89-6]	82,9±5,5	mg/kg	INAA/ ICP- OES	
Certified Mass Fraction	Magnesium (Mg)	[7439-95-4]	189±11	mg/kg	INAA/ ICP- OES	
Certified Mass Fraction	Manganese (Mn)	[7439-96-5]	52,4±1,9	mg/kg	INAA/ ICP- OES	
Certified Mass Fraction	Mercury (Hg)	[7439-97-6]	0,01323±0,0002	mg/kg	ID/CV ICP- MS	
Certified Mass Fraction	Potassium (K)	[7440-09-7]	1040±130	mg/kg	INAA/ ICP- OES/ PGAA	
Certified Mass Fraction	Selenium (Se)	[7782-49-2]	0,0102±0,0023	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Sodium (Na)	[7440-23-5]	26±5,3	mg/kg	INAA/ ICP- OES	
Certified Mass Fraction	Vanadium (V)	[7440-62-2]	0,243±0,011	mg/kg	ICP-MS/ IN AA	
Certified Mass Fraction	Zinc (Zn)	[7440-66-6]	9,26±0,9	mg/kg	INAA/ ICP- OES	
Certified Mass Fraction	Ash		0,604±0,084	g/100g		

Reference Mass Fraction	Aluminium (Al)	[7429-90-5]	92,06 ± 0,89	mg/kg	INAA
Reference Mass Fraction	Antimony (Sb)	[7440-36-0]	0,0397 ± 0,0016	mg/kg	INAA
Reference Mass Fraction	Boron (B)	[7440-42-8]	3,210 ± 0,039	mg/kg	PGAA
Reference Mass Fraction	Cerium (Ce)	[7440-45-1]	0,5523 ± 0,0098	mg/kg	INAA
Reference Mass Fraction	Chlorine (Cl)	[7782-50-5]	35,40 ± 0,64	mg/kg	INAA
Reference Mass Fraction	Copper (Cu)	[7440-50-8]	1,545 ± 0,030	mg/kg	INAA
Reference Mass Fraction	Lanthanum (La)	[7439-91-0]	0,643 ± 0,063	mg/kg	INAA
Reference Mass Fraction	Rubidium (Rb)	[7440-17-7]	3,11 ± 0,099	mg/kg	INAA
Reference Mass Fraction	Samarium (Sm)	[7440-19-9]	0,0507 ± 0,0052	mg/kg	INAA
Reference Mass Fraction	Scandium (Sc)	[7440-20-2]	0,0111 ± 0,0004	mg/kg	INAA
Reference Mass Fraction	Silver (Ag)	[7440-22-4]	0,0079 ± 0,0010	mg/kg	INAA
Reference Mass Fraction	Thorium (Th)	[7440-29-1]	0,0146 ± 0,0005	mg/kg	INAA
Reference Mass Fraction	Titanium (Ti)	[7440-32-6]	11,1 ± 1,0	mg/kg	INAA
Reference Mass Fraction	Tungsten (W)	[7440-33-7]	0,225 ± 0,029	mg/kg	INAA