

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