110.4 - Agricultural Materials (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Description >>	1515 Apple Leaves	1547 Peach Leaves	1570a Trace Elements in Spinach Leaves	1573a Tomato Leaves	1575a Trace Elements in Pine Needles (*Pinus taeda*)	8210 Hemp
Unit Size >>	**50 g**	**50 g**	**60 g**	**50 g**	**50 g powder**	**3 x 1.5g**
Elemental Composition as mass fraction in mg/kg (ppm) unless noted by an * asterisk for %.						
Aluminum	284.5	248.9	310	598.4	580	
Antimony	(0.013)	(0.02)		0.0619		
Arsenic		0.062	0.068	0.1126	0.039	*0.043*
Barium	48.8	123.7		(63)	6.0	
Beryillium						*0.0023*
Boron	27.6	28.73	37.7	33.13	9.6	
Bromine	(1.8)	(11)		(1300)		
Cadmium	0.0132	0.0261	2.876	1.517	0.233	*0.083*
Calcium	1.5250*	1.559*	1.526*	5.0450*	0.25*	
Cerium	(3)	(10)		(2)	(0.11)	
Cesium				(0.053)	0.283	
Chlorine	582	361		(6600)	421	
Chromium	(0.3)	(1)		1.988	(0.3-0.5)	*0.552*
Cobalt	(0.09)	(0.07)	0.393	0.5773	0.061	*0.196*
Copper	5.69	3.75	12.22	4.70	2.8	
Europium	(0.2)	(0.17)	0.0055			
Gadolinium	(3)	(1)		(0.17)		
Gold	(0.001)					
Iodine	(0.3)	(0.3)		(0.85)		
Iron	82.7	219.8		367.5	46	
Lanthanum	(20)	(9)		(2.3)		
Lead	0.470	0.869	(0.2)		0.167	*0.211*
Magnesium	0.2710*	0.432*	(0.9*)	(1.2*)	0.106*	
Manganese		97.8	76.0	246.3	488	*137.600*
Mercury	0.0432	0.0317	0.0297	0.0341	0.0399	*0.0075*
Molybdenum	0.095	0.0603		(0.46)		*0.319*
Neodymium	(17)	(7)				
Nickel	0.936	0.689	2.142	1.582	1.47	*3.98*
Nitrogen	2.299*	2.9650*	6.06*	3.0200*		
Phosphorus	0.1593*	0.1371*	0.5187*	0.2161*	0.107*	
Potassium	1.608*	2.433*	2.900*	2.6760*	0.417*	
Rubidium	10.2	19.65	12.7	14.83	16.5	
Samarium	(3)	(1)		(0.19)		
Scandium	(0.03)	(0.04)	0.0055	(0.1)	0.0101	
Selenium		0.120	0.1152	0.0543	0.099	*0.081*
Sodium	*24.4*	*23.8*	1.821*	136.1	63	
Strontium	25	53.0	55.54	(85)		
Sulfur	(0.18*)	(0.2*)	(0.5*)	(0.96*)		
Terbium	(0.4)	(0.1)				
Thorium	(0.03)	(0.05)	0.0480	(0.12)		
Tungsten	(0.007)					
Uranium	(0.006)	(0.015)	0.155	(0.035)		*0.0044*
Vanadium	0.254	0.367	0.568	0.835		*0.238*
Ytterbium	(0.3)	(0.2)				
Zinc	12.45	17.97	82.3	30.94	38	

- Certified values are normal font.
- Non-certified and reference values are italicized.
- Information values and values of potential interest are within parentheses.