

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	1570a Trace Elements in Spinach Leaves	1573a Tomato Leaves	1575a Trace Elements in Pine Needles (<i>Pinus taeda</i>)	8210 Hemp
Unit Size >>	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	310	598.4	580	
Antimony	(0.013)		0.0619		
Arsenic		0.068	0.1126	0.039	<i>0.043</i>
Barium	48.8		(63)	6.0	
Beryllium					<i>0.0023</i>
Boron	27.6	37.7	33.13	9.6	
Bromine	(1.8)		(1300)		
Cadmium	0.0132	2.876	1.517	0.233	<i>0.083</i>
Calcium	1.5250*	1.526*	5.0450*	0.25*	
Cerium	(3)		(2)	(0.11)	
Cesium			(0.053)	0.283	
Chlorine	582		(6600)	421	
Chromium	(0.3)		1.988	(0.3-0.5)	<i>0.552</i>
Cobalt	(0.09)	0.393	0.5773	0.061	<i>0.196</i>
Copper	5.69	12.22	4.70	2.8	
Europium	(0.2)	0.0055			
Gadolinium	(3)		(0.17)		
Gold	(0.001)				
Iodine	(0.3)		(0.85)		
Iron	82.7		367.5	46	
Lanthanum	(20)		(2.3)		
Lead	0.470	(0.2)		0.167	<i>0.211</i>
Magnesium	0.2710*	(0.9*)	(1.2*)	0.106*	
Manganese		76.0	246.3	488	<i>137.600</i>
Mercury	0.0432	0.0297	0.0341	0.0399	<i>0.0075</i>
Molybdenum	0.095		(0.46)		<i>0.319</i>
Neodymium	(17)				
Nickel	0.936	2.142	1.582	1.47	<i>3.98</i>
Nitrogen	2.299*	6.06*	3.0200*		
Phosphorus	0.1593*	0.5187*	0.2161*	0.107*	
Potassium	1.608*	2.900*	2.6760*	0.417*	
Rubidium	10.2	12.7	14.83	16.5	
Samarium	(3)		(0.19)		
Scandium	(0.03)	0.0055	(0.1)	0.0101	
Selenium		0.1152	0.0543	0.099	<i>0.081</i>
Sodium	24.4	1.821*	136.1	63	
Strontium	25	55.54	(85)		
Sulfur	(0.18*)	(0.5*)	(0.96*)		
Terbium	(0.4)				
Thorium	(0.03)	0.0480	(0.12)		
Tungsten	(0.007)				
Uranium	(0.006)	0.155	(0.035)		<i>0.0044</i>
Vanadium	0.254	0.568	0.835		<i>0.238</i>
Ytterbium	(0.3)				
Zinc	12.45	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.