

WALLACE LABS
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El Segundo, CA 90245
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ANALYSES

Location
Requester
Method

11-321F-02 Material

VortexC Minerals
Mike Mathis, Direct Connect
EPA 6010B
Magnetic Sulfate Minerals

DATE: November 18, 2011

(A)	(B)	(C)	(D)	(E)
elements	mg/L (ppm)	1 Serving Treated Water per 1 drop treated water*	Recommended daily intake	Over dosage
sulfur	7,382.48	2.27517258		
aluminum	1,355.29	0.41768159		Health Canada only allows 50.12 mg of Aluminum to be consumed by an adult per day
iron	1,009.85	0.31122011	8 mg	Doses larger than 20 mg may cause stomach upset, constipation and blackened stools
magnesium	427.12	0.13163152	400 mg	Doses larger than 400 mg may cause stomach problems and diarrhea
potassium	205.88	0.06345003	4700 mg	Large doses may cause stomach upsets, intestinal problems or heart rhythm disorder
titanium	97.99	0.03019755		
calcium	58.19	0.01793228	1000 mg	Doses larger than 1500 mg may cause stomach problems for sensitive individuals
vanadium	53.21	0.01639765	< 1.8 mg	No information found
phosphorus	31.59	0.00973667	700 mg	Contradiction: the FDA states that doses larger than 250 mg may cause stomach problems for sensitive individuals
sodium	23.73	0.00731283	1500 mg	No information found
manganese	17.62	0.00543136	2.3 mg	Excess manganese may hinder iron adsorption
Nitrate Nitrogen	7.54	0.00232372		
chloride	6.23	0.00191912	2300 mg	
zinc	2.88	0.00088840	11 mg	Doses larger than 25 mg may cause anaemia and copper deficiency
silicon	1.87	0.00057625		
strontium	1.62	0.00049969		
boron	1.30	0.00039988	< 20 mg	No information found
chromium	1.00	0.00030713	0.035 mg	Doses larger than .200 mg are toxic and may cause concentration problems and fainting
cobalt	0.72	0.00022265		
nickel	0.61	0.00018657	< 1 mg	Products containing nickel may cause skin rash in case of allergies
lithium	0.50	0.00015421		
lead	0.25	0.00007632		
Ammoniacal Nitrogen	0.20	0.00006164		
copper	0.18	0.00005607	0.9 mg	As little as 10 mg of copper can have a toxic effect
barium	0.18	0.00005563		
molybdenum	0.14	0.00004239	.045 mg	Doses larger than .200 mg may cause kidney problems and copper deficiencies
tin	< 0.5	< 0.00015409		
arsenic	< 0.05	< 0.00001541		
selenium	< 0.05	< 0.00001541	.055 mg	Doses larger than .200 mg can be toxic
cadmium	0.02	0.00000688		
mercury	< 0.02	< 0.00000616		
silver	< 0.01	< 0.00000308		

Elements expressed as mg/liter (parts per million) as received.

Notes about Aluminum content in VortexC Minerals

It is not difficult to obtain lab tests showing the amount of Aluminum in certain plant foods. Just look in the A & L Laboratory Agronomy Handbook, which is used by agronomists worldwide. Silica is the most abundant mineral on earth. Aluminum is the second most. It can be found in just about everything we touch. The food we eat and the water we drink, even the air we breathe, most all contain aluminum. Just compare the amount of aluminum contained in a 6 oz serving of the foods listed in the chart, with the amount of aluminum in an 8 oz glass of treated water. Then look at the number of 8 oz glasses of treated water you would have to drink to obtain the same amount of aluminum you would get from just one 6 oz serving of the listed food.

The U.S. Government does not have an established limit of aluminum in food !
Health Canada says it is safe for an adult to consume 7 1/2 teaspoons of VortexC Minerals per day!

Comparison of Aluminum contained in Food with Aluminum contained in VortexC Minerals					
Food Name	Aluminum PPB	mg of Aluminum in a 6 oz Food Serving	mg of Aluminum in an 8 oz serving of treated water	# of 8 oz servings of treated water to equal the 6 oz food	
Bananas	97,000	17.21	0.41768159	41.20 (2.58 gal.)	
Pineapple	100,000	17.74	0.41768159	42.47 (2.65 gal.)	
Asparagus	90,000	15.97	0.41768159	38.23 (2.39 gal.)	
Beans	165,000	29.28	0.41768159	70.10 (4.38 gal.)	
Bancha Tea	332,000	58.91	0.41768159	141.04 (8.82 gal.)	
Celery	190,000	33.71	0.41768159	80.71 (5.04 gal.)	
Cucumbers	90,000	15.97	0.41768159	38.23 (2.39 gal.)	
Potatoes	100,000	17.74	0.41768159	42.47 (2.65 gal.)	
Corn(at tasseling)	140,000	24.84	0.41768159	59.47 (3.72 gal.)	
Peanuts	135,000	23.95	0.41768159	57.35 (3.58 gal.)	
^ ^ ^ ^ ^ ^				* <i>Note:</i> Treated water is made by mixing 1 teaspoon of VortexC Minerals with 1 gallon of water. It is best to let the treated water set for 24hrs or more to allow the contaminates to be removed.	
How about a quick refresher course in calculating mg's. The foods were all listed as PPB (parts per billion in 1 liter). To convert this to mg's per liter, you must divide by 1000. Since there are 33.814 oz's in a liter, you divide by 33.814 to obtain mg/oz. Since our food serving size is 6 oz's, multiply by 6 oz to get the total mg's in the 6 oz serving.					