

SEX: Male
AGE: 59

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	68 th PERCENTILE 95 th
Aluminum (Al)		1.8	< 7.0	
Antimony (Sb)		< 0.01	< 0.066	
Arsenic (As)		0.027	< 0.080	
Barium (Ba)		0.20	< 1.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.002	< 2.0	
Cadmium (Cd)		< 0.009	< 0.065	
Lead (Pb)		0.30	< 0.80	
Mercury (Hg)		0.29	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.034	< 0.060	
Nickel (Ni)		0.02	< 0.20	
Silver (Ag)		0.01	< 0.08	
Tin (Sn)		0.03	< 0.30	
Titanium (Ti)		0.16	< 0.60	
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS					
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				2.5 th 16 th 50 th 84 th 97.5 th	
Calcium (Ca)		365	200- 750		
Magnesium (Mg)		26	25- 75		
Sodium (Na)		35	20- 180		
Potassium (K)		30	9- 80		
Copper (Cu)		11	11- 30		
Zinc (Zn)		180	130- 200		
Manganese (Mn)		0.04	0.08- 0.50		
Chromium (Cr)		0.38	0.40- 0.70		
Vanadium (V)		0.016	0.018- 0.065		
Molybdenum (Mo)		0.045	0.025- 0.060		
Boron (B)		0.62	0.40- 3.0		
Iodine (I)		0.21	0.25- 1.8		
Lithium (Li)		< 0.004	0.007- 0.020		
Phosphorus (P)		176	150- 220		
Selenium (Se)		1.1	0.70- 1.2		
Strontium (Sr)		1.1	0.30- 3.5		
Sulfur (S)		48300	44000- 50000		
Cobalt (Co)		0.002	0.004- 0.020		
Iron (Fe)		4.4	7.0- 16		
Germanium (Ge)		0.030	0.030- 0.040		
Rubidium (Rb)		0.031	0.011- 0.12		
Zirconium (Zr)		0.033	0.020- 0.44		

COMMENTS:	SPECIMEN DATA		RATIOS	
	ELEMENTS	RATIOS	RANGE	
Date Collected: 07/10/2013	Ca/Mg	14	4- 30	
Date Received: 07/13/2013	Ca/P	2.07	0.8- 8	
Date Completed: 07/16/2013	Na/K	1.17	0.5- 10	
Methodology: ICP/MS	Zn/Cu	16.4	4- 20	
	Zn/Cd	> 999	> 800	
	Sample Size: 0.198 g			
	Sample Type: Head			
	Hair Color: Black			
	Treatment:			
	Shampoo: Pantene			

Hair Test 825

What are your current symptoms and health history?

Fatigue, poor sleep, tinnitus, intermittent mild headaches.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

First amalgam at age 8. Wisdom teeth removed at age 22. First (and only) root canal in 2011.

What dental work do you currently have in place? What part of the dental clean-up have you completed?

Last 4 amalgams (except for possible amalgams under 2 old crowns) were removed during the period from May 31 - June 19, 2013. 3-4 amalgams were previously removed 2 years ago.

What dentistry did your mother have at any time before or during pregnancy?

I believe that she had several amalgams.

What vaccinations have you had and when (including flu and especially travel shots)?

Childhood vaccinations (tetanus, polio, etc.) One flu shot in 2003.

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

Time of hair test: 10 mg/day Vasotec (Enalapril Maleate) for blood-pressure , vitamin B50 1/day, magnesium citrate 200 mg, vitamin D 2000 IU, zinc 50-100mg, molybdenum (250-500 microgram), vitamin E 400 IU, vitamin A 10,000 IU, niacin 200 mg/day.

What is your age, height and weight?

Age: 59 Height: 5' 8.5 " Weight: 170 lbs

Other information you feel may be relevant?

Hair test was taken approximately 20 days after I had last of remaining 4 amalgams removed. This hair test is very different from my previous hair test taken 4 1/2 months previously (hair test 761) which showed high levels of aluminum and thorium. That test was taken 2 1/2 months after I had my hair colored, and although this is supposedly long enough, I wonder if this was the cause of the apparent high levels of thorium.

What is your location – city & country (so that we can learn where certain toxins are more prevalent).

Toledo, OH, USA.