



SEX: Female  
AGE: 48

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.1	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.057	< 0.060	
Barium (Ba)	0.80	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.048	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.10	< 0.60	
Mercury (Hg)	0.31	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.004	< 0.060	
Nickel (Ni)	0.04	< 0.30	
Silver (Ag)	0.05	< 0.15	
Tin (Sn)	0.18	< 0.30	
Titanium (Ti)	0.29	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	263	300- 1200			
Magnesium (Mg)	100	35- 120			
Sodium (Na)	550	20- 250			
Potassium (K)	37	8- 75			
Copper (Cu)	11	11- 37			
Zinc (Zn)	200	140- 220			
Manganese (Mn)	0.22	0.08- 0.60			
Chromium (Cr)	0.34	0.40- 0.65			
Vanadium (V)	0.012	0.018- 0.065			
Molybdenum (Mo)	0.062	0.020- 0.050			
Boron (B)	0.80	0.25- 1.5			
Iodine (I)	0.82	0.25- 1.8			
Lithium (Li)	0.013	0.007- 0.020			
Phosphorus (P)	130	150- 220			
Selenium (Se)	0.74	0.55- 1.1			
Strontium (Sr)	2.1	0.50- 7.6			
Sulfur (S)	48400	44000- 50000			
Cobalt (Co)	0.007	0.005- 0.040			
Iron (Fe)	8.0	7.0- 16			
Germanium (Ge)	0.045	0.030- 0.040			
Rubidium (Rb)	0.027	0.007- 0.096			
Zirconium (Zr)	0.080	0.020- 0.42			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 12/01/2013	Sample Size: 0.195 g	Ca/Mg	2.63	4- 30
Date Received: 12/04/2013	Sample Type: Head	Ca/P	2.02	1- 12
Date Completed: 12/05/2013	Hair Color: Brown	Na/K	14.9	0.5- 10
Methodology: ICP/MS	Treatment: Dye	Zn/Cu	18.2	4- 20
	Shampoo: Pantene	Zn/Cd	> 999	> 800

## Health history for hair test 1006

**1. What are your current symptoms and health history?**

MCS, appear to be intolerant to everything except rice and squash at the moment. Bleeding gums, bad breath, lump in throat/sore throat, intestinal cramps/bloating, fatigue, anxiety, insomnia, ADHD, irritability, dizziness, shaky, pain in back, lower legs, SI joint, knee and hands. Neuropathy, variable temperature, racing heart,

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

I have my wisdom teeth. One lower incisor removed when having braces put on my teeth. 4 amalgams placed early teens. I started experiencing moderate back pain shortly thereafter. I had braces for 18 months, starting in 2001. The Ortho cracked a wisdom tooth, and that was filled 3 times with amalgam in the matter of a few weeks. The filling kept falling out. I developed a lump in my throat and had a metal taste in my mouth for weeks after. I also had one amalgam replaced without adequate precaution in 2012, and the insomnia and anxiety got much worse a few months after.

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

I had the remaining 3 amalgams replaced in April of this year, by the best dentist I could find in this area. Most precautions were taken. I immediately had worsening of the neuropathy, and problems with my BP tanking.

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

Several amalgams

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

All required childhood vaccines. Only 1 or 2 flu shots over 15 years ago.

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

I was just starting Vitamin C, magnesium, Molyb

**7. What is your age, height and weight?**

49 years old, 5' 7" and 102 lbs

**8. Other information you feel may be relevant?**

I purchased AI and HTI last fall, and have been reading the FDC list since the beginning of this year. I've done 10 rounds – one 3 mg DMSA and 9 DMPS.

**9. What is your location – city & country**

Near Fort Wayne, IN