



SEX: Female  
AGE: 46

*Toxic & Essential Elements; Hair*

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	3.9	< 7.0	
Antimony (Sb)	0.039	< 0.050	
Arsenic (As)	0.028	< 0.060	
Barium (Ba)	3.4	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.051	< 2.0	
Cadmium (Cd)	0.020	< 0.050	
Lead (Pb)	0.35	< 0.60	
Mercury (Hg)	2.0	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.034	< 0.060	
Nickel (Ni)	0.26	< 0.30	
Silver (Ag)	0.45	< 0.15	
Tin (Sn)	0.25	< 0.30	
Titanium (Ti)	0.35	< 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)	1810	300- 1200	
Magnesium (Mg)	160	35- 120	
Sodium (Na)	17	20- 250	
Potassium (K)	110	8- 75	
Copper (Cu)	14	11- 37	
Zinc (Zn)	150	140- 220	
Manganese (Mn)	1.4	0.08- 0.60	
Chromium (Cr)	0.52	0.40- 0.65	
Vanadium (V)	0.46	0.018- 0.065	
Molybdenum (Mo)	0.082	0.020- 0.050	
Boron (B)	1.6	0.25- 1.5	
Iodine (I)	3.1	0.25- 1.8	
Lithium (Li)	0.029	0.007- 0.020	
Phosphorus (P)	163	150- 220	
Selenium (Se)	0.67	0.55- 1.1	
Strontium (Sr)	27	0.50- 7.6	
Sulfur (S)	42200	44000- 50000	
Cobalt (Co)	0.026	0.005- 0.040	
Iron (Fe)	13	7.0- 16	
Germanium (Ge)	0.033	0.030- 0.040	
Rubidium (Rb)	0.11	0.007- 0.096	
Zirconium (Zr)	0.20	0.020- 0.42	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 02/11/2015	Sample Size: 0.203 g	Ca/Mg	11.3
Date Received: 02/21/2015	Sample Type: Head	Ca/P	11.1
Date Completed: 02/23/2015	Hair Color: Brown	Na/K	0.155
Methodology: ICP/MS	Treatment:	Zn/Cu	10.7
	Shampoo: Terressentials	Zn/Cd	> 999
		<b>RANGE</b>	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

**> What are your current symptoms and health history?**

- > I have microscopic colitis, Lupus, chronic fatigue, Multiple
- > Chemical Sensitivity, diarrhea, food sensitivity, leaky gut,
- > extremely moody, I'd forget my head if it wasn't
- > attached, use to be fairly smart, not sure what happened,
- > must use Milk of Magnesia for deodorant NOTHING else
- > works=C2=A0

**> Dental history**

- > **(Wisdom teeth removed and when? Any other extractions. First**
- > **root canal placed? Braces? First amalgam etc=E2=80=A6) wisdom**
- > teeth pulled in 1992 What
- > dental work do you currently have in place? What part of the
- > dental clean-up have you completed? None only 1 resin cavity
- > I need braces but that may happen later ?

**> What dentistry did your mother have at any time before or during**

- > **pregnancy?** She had cavities before I was born but
- > doesn't remember having any during pregnancy. She was a
- > social smoker before I was born

**> What vaccinations have you had and when =(including**

- > **flu and especially travel shots)?** I had a flu shot this year. One
- > last year too. Not the year before but years past
- > too

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

- > **taken?** Plaquenil, Prednisone 5mg which I use off &
- > on (have not used in a while), Remeron- antidepressant, Biotin, apple pectin (off and on),
- > modiflan seaweed extract, homeopathic Meds nux vomica, Rhus
- > Tox, Caucasticum. Prescribed but not taking: Ambein,
- > Trazadone, tramadol

**> What is your age, height and weight?** 46, 5' 130(meds making  
> me fatter by the day)

**> Other information you feel may be relevant?** SCD diet, cook w/

- > titanium pots(Salad Master/Belcraft brand) & nose bleeds
- > w/ menses, don't eat a lot of fish , lay on the Biomat
- > often. Hate taking meds & don't take half of meds
- > prescribed. Worked downtown Detroit in a building
- > that was formally a foundry. Buy organic meats, food and hair and skin products.
- Use henna on hair

**> What is your location =.** Ann Arbor MI