



SEX: Female
AGE: 42

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.5	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.029	< 0.060	
Barium (Ba)	1.6	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.13	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.12	< 0.60	
Mercury (Hg)	1.1	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.020	< 0.060	
Nickel (Ni)	0.27	< 0.30	
Silver (Ag)	0.03	< 0.15	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	0.58	< 0.70	
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)	1230	300- 1200	
Magnesium (Mg)	100	35- 120	
Sodium (Na)	14	20- 250	
Potassium (K)	4	8- 75	
Copper (Cu)	12	11- 37	
Zinc (Zn)	170	140- 220	
Manganese (Mn)	0.18	0.08- 0.60	
Chromium (Cr)	0.33	0.40- 0.65	
Vanadium (V)	0.066	0.018- 0.065	
Molybdenum (Mo)	0.022	0.020- 0.050	
Boron (B)	0.52	0.25- 1.5	
Iodine (I)	0.94	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	127	150- 220	
Selenium (Se)	0.64	0.55- 1.1	
Strontium (Sr)	3.9	0.50- 7.6	
Sulfur (S)	44400	44000- 50000	
Cobalt (Co)	0.005	0.005- 0.040	
Iron (Fe)	7.8	7.0- 16	
Germanium (Ge)	0.030	0.030- 0.040	
Rubidium (Rb)	0.005	0.007- 0.096	
Zirconium (Zr)	0.076	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 08/11/2014	Sample Size: 0.2 g	Ca/Mg	12.3
Date Received: 08/16/2014	Sample Type: Head	Ca/P	9.69
Date Completed: 08/19/2014	Hair Color: Brown	Na/K	3.5
Methodology: ICP/MS	Treatment:	Zn/Cu	14.2
	Shampoo: Bumble Bumble	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 997

What are your current symptoms and health history?

Consistently sporadic constipation. IBS. gluten sensitivity. Occasional eczema outbreaks. anxiety. cold sores. allergies.
Overweight despite healthy food choices and running 4-5 days week. trouble sleeping. can't take naps. need coffee to function and concentrate. Otherwise healthy with no major issues in the past.

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

First root canal ~1990, wisdom teeth mid 80s, braces mid 80s. several amalgams

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

safely removed all amalgams 4 years ago. have bio compatible composites. infected root canal removed. prosthetic replacement.

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

unsure.

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

full schedule of vaccines as child. several flu shots. Set of shots prior to a trip to India around 2002.

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

none.

7. What is your age, height and weight?

42, 5' 3", 155lbs

8. Other information you feel may be relevant?

GI issues run in the family. so does gluten sensitivity. also anxiety.

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

San Francisco, ca. usa