



SEX: Female
AGE: 34

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.2	< 7.0	
Antimony (Sb)	0.013	< 0.050	
Arsenic (As)	< 0.01	< 0.060	
Barium (Ba)	5.0	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.081	< 2.0	
Cadmium (Cd)	0.025	< 0.050	
Lead (Pb)	0.20	< 0.60	
Mercury (Hg)	1.8	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.20	< 0.30	
Silver (Ag)	0.16	< 0.15	
Tin (Sn)	0.14	< 0.30	
Titanium (Ti)	0.44	< 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)	1130	300- 1200	
Magnesium (Mg)	94	35- 120	
Sodium (Na)	11	20- 250	
Potassium (K)	3	8- 75	
Copper (Cu)	21	11- 37	
Zinc (Zn)	200	140- 220	
Manganese (Mn)	0.87	0.08- 0.60	
Chromium (Cr)	0.29	0.40- 0.65	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.021	0.020- 0.050	
Boron (B)	1.1	0.25- 1.5	
Iodine (I)	0.58	0.25- 1.8	
Lithium (Li)	0.006	0.007- 0.020	
Phosphorus (P)	159	150- 220	
Selenium (Se)	0.97	0.55- 1.1	
Strontium (Sr)	2.7	0.50- 7.6	
Sulfur (S)	46400	44000- 50000	
Cobalt (Co)	0.007	0.005- 0.040	
Iron (Fe)	8.9	7.0- 16	
Germanium (Ge)	0.030	0.030- 0.040	
Rubidium (Rb)	0.004	0.007- 0.096	
Zirconium (Zr)	0.24	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 05/05/2014	Sample Size: 0.199 g	Ca/Mg	12	4- 30
Date Received: 05/08/2014	Sample Type: Head	Ca/P	7.11	1- 12
Date Completed: 05/10/2014	Hair Color: Brown	Na/K	3.67	0.5- 10
Methodology: ICP/MS	Treatment: Bleach, Dye	Zn/Cu	9.52	4- 20
	Shampoo: Various	Zn/Cd	> 999	> 800

Health history for hair test 960

1) I became very sick from parasites (Entomeoba Histolytica) about 2 years ago. I've been on the SCD for almost 17 months and I'm much better but still have a long, long way to go. My current symptoms are moderate bloating, constipation, occasional GERD, and occasional vomiting or diarrhea. I am still on a very, very, VERY limited diet.

After getting sick from the parasites I developed: Candida, SIBO, Histamine Intolerance, low blood pressure, chronic fatigue. The fatigue is much better now.

I have extremely bad environmental allergies and have most of my life. I have very a-topical skin: I'm prone to eczema, psoriasis, rashes, etc.

2) My wisdom teeth were removed at the age of 20 (I'm 34 now). I don't believe I have any metal amalgams. My teeth are great but my gums are terrible and I have gingivitis. Never had braces or a root canal.

3) Not sure what this means.

4) My mom was a kid in the 40s and 50s and has had extensive dental work, involving a lot of metal fillings, long before she had me.

5) I honestly don't know, but I had all the usual vaccinations when I was a kid. I didn't get a flu shot this year but I did the 2 or 3 years prior. Not aware of any travel vaccinations, but I don't travel out of the country much. I did go to Costa Rica and Russia 6 years ago, so I may have gotten something before going.

6) Supplements during and before the hair test: multi vitamin, D3, magnesium, probiotics (acidophilus and prescript assist), omega 3. Rx's: Bepreve, Nasonex and Patanase for allergies. LDN.

7) I'm 34, 5'7", and weigh between 125 and 130 lbs.

8) New York City, NY, United States. Upper Manhattan.