



SEX: Male
AGE: 13

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.2	< 8.0	
Antimony (Sb)	0.021	< 0.066	
Arsenic (As)	0.025	< 0.080	
Barium (Ba)	3.2	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.037	< 2.0	
Cadmium (Cd)	< 0.009	< 0.060	
Lead (Pb)	0.13	< 1.0	
Mercury (Hg)	0.05	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.015	< 0.060	
Nickel (Ni)	0.16	< 0.20	
Silver (Ag)	0.02	< 0.10	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.44	< 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)	1110	200- 700			
Magnesium (Mg)	190	18- 70			
Sodium (Na)	70	20- 200			
Potassium (K)	34	9- 80			
Copper (Cu)	18	11- 32			
Zinc (Zn)	180	150- 230			
Manganese (Mn)	0.16	0.08- 0.50			
Chromium (Cr)	0.66	0.40- 0.70			
Vanadium (V)	0.049	0.020- 0.075			
Molybdenum (Mo)	0.029	0.030- 0.060			
Boron (B)	5.1	0.34- 3.0			
Iodine (I)	0.46	0.25- 1.3			
Lithium (Li)	0.039	0.007- 0.020			
Phosphorus (P)	182	150- 220			
Selenium (Se)	0.56	0.70- 1.2			
Strontium (Sr)	6.0	0.30- 3.2			
Sulfur (S)	42300	44000- 50000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.023	0.030- 0.040			
Rubidium (Rb)	0.044	0.009- 0.090			
Zirconium (Zr)	0.11	0.047- 0.70			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 09/26/2014		Ca/Mg	5.84
Date Received: 10/02/2014		Ca/P	6.1
Date Completed: 10/03/2014		Na/K	2.06
Methodology: ICP/MS		Zn/Cu	10
Sample Size: 0.201 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color: Brown			
Treatment:			
Shampoo: Alba Botanica			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 1011

1) What are your current symptoms and health history?

My boys and I first got sick from mold exposure and have all had difficulty detoxing. I am mercury toxic and my youngest son is, too. Symptoms are sinus issues, mood swings/irritability/anxiety with mold exposure, frequent cold sores, gut issues/yeast

2) Dental history

No fillings. His wisdom teeth are just coming in now at 13??

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

n/a

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

I may have had 1-2 amalgams during pregnancy.

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

All scheduled vaccinations as a child. don't remember any flu shots. No Tdap booster at 7th grade.

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

Vitamin C (4x-800mg, milk thistle (4x), lysine, probiotics, cod liver oil, Cholestyramine (for mold), ox bile (500mg), biotin (5,000mcg)

7) Other information you feel may be relevant?

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

Woodland, CA, USA