



SEX: Female
AGE: 7

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.1	< 8.0	
Antimony (Sb)	0.048	< 0.066	
Arsenic (As)	0.059	< 0.060	
Barium (Ba)	0.34	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.031	< 2.0	
Cadmium (Cd)	0.021	< 0.070	
Lead (Pb)	0.61	< 0.80	
Mercury (Hg)	0.22	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.10	< 0.060	
Nickel (Ni)	0.09	< 0.30	
Silver (Ag)	0.49	< 0.18	
Tin (Sn)	0.11	< 0.30	
Titanium (Ti)	0.33	< 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)	312	250- 800			
Magnesium (Mg)	96	25- 90			
Sodium (Na)	29	18- 180			
Potassium (K)	27	10- 90			
Copper (Cu)	79	11- 37			
Zinc (Zn)	150	120- 220			
Manganese (Mn)	0.29	0.08- 0.60			
Chromium (Cr)	0.41	0.40- 0.65			
Vanadium (V)	0.12	0.025- 0.10			
Molybdenum (Mo)	0.046	0.030- 0.090			
Boron (B)	1.1	0.30- 1.7			
Iodine (I)	0.52	0.25- 1.3			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	111	150- 220			
Selenium (Se)	0.73	0.70- 1.1			
Strontium (Sr)	2.1	0.37- 3.6			
Sulfur (S)	44300	44000- 51000			
Cobalt (Co)	0.007	0.005- 0.035			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.027	0.008- 0.080			
Zirconium (Zr)	0.27	0.030- 0.40			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 08/11/2014		Ca/Mg	3.25
Date Received: 08/16/2014		Ca/P	2.81
Date Completed: 08/19/2014		Na/K	1.07
Methodology: ICP/MS		Zn/Cu	1.9
Sample Size: 0.202 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Ouidad			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 998

1. What are your current symptoms and health history?

age 0-1: colic, baby acne, delayed gross motor (rolled over at 7 months)

age 2-4: constipation. painful poops. cleared up when wheat/gluten removed from diet. eczema. some stuttering that gradually faded away from age 4 on. difficulty switching to new activities. exaggerated anger when told "no".

4-7: eczema, dark circles under eyes. i wonder about memory and mental acuity although she always performs at grade level according to school. very absent minded but maybe it's the age.

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

n/a

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

n/a

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

several amalgams, at least one root canal.

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

all normal US schedule vaccines until about age 4 when i started opting her out.

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?

7, 4'3", 55lbs

8. Other information you feel may be relevant?

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

san francisco, ca. usa