



SEX: Female
AGE: 19

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	19	< 7.0	
Antimony (Sb)	0.033	< 0.050	
Arsenic (As)	0.020	< 0.060	
Barium (Ba)	1.4	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.090	< 2.0	
Cadmium (Cd)	0.041	< 0.050	
Lead (Pb)	0.15	< 0.60	
Mercury (Hg)	0.06	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.47	< 0.060	
Nickel (Ni)	0.27	< 0.30	
Silver (Ag)	7.5	< 0.15	
Tin (Sn)	0.50	< 0.30	
Titanium (Ti)	1.1	< 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)	1520	300- 1200			
Magnesium (Mg)	70	35- 120			
Sodium (Na)	58	20- 250			
Potassium (K)	15	8- 75			
Copper (Cu)	26	11- 37			
Zinc (Zn)	170	140- 220			
Manganese (Mn)	0.10	0.08- 0.60			
Chromium (Cr)	0.51	0.40- 0.65			
Vanadium (V)	0.21	0.018- 0.065			
Molybdenum (Mo)	0.056	0.020- 0.050			
Boron (B)	0.57	0.25- 1.5			
Iodine (I)	1.1	0.25- 1.8			
Lithium (Li)	0.011	0.007- 0.020			
Phosphorus (P)	161	150- 220			
Selenium (Se)	0.74	0.55- 1.1			
Strontium (Sr)	6.1	0.50- 7.6			
Sulfur (S)	47900	44000- 50000			
Cobalt (Co)	0.013	0.005- 0.040			
Iron (Fe)	9.0	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.017	0.007- 0.096			
Zirconium (Zr)	7.1	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 03/18/2015	Sample Size: 0.196 g	Ca/Mg	21.7
Date Received: 03/26/2015	Sample Type: Head	Ca/P	9.44
Date Completed: 03/29/2015	Hair Color: Brown	Na/K	3.87
Methodology: ICP/MS	Treatment:	Zn/Cu	6.54
	Shampoo: Desert Essence	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Hair test 1074

1. What are your current symptoms and health history?

Current symptoms; Sensory integration disorder also known as Sensory Processing Disorder. Poor memory. Weak and tires easily. Easily overwhelmed. Low stress tolerance. Difficulty concentrating. Poor reasoning ability. Extreme sensitivity to gluten and dairy.

Health history; Born 12 weeks early. In utero had a amniotic sac tear that resulted in very little amniotic fluid being available to develop lungs. Stayed in the neonatal intensive care unit for 3 ½ months. Would not eat and had horrible reflux. Used an oxygen tank for first 3 months at home. Was always small, weak and was described as odd by several health professionals as a diagnostic term. Had extreme difficulty eating and swallowing. When put on a gluten and dairy free diet at age 13 many symptoms improved including appetite.

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

Braces, palate spreader and retainer for many years. No amalgam or root canals. Four wisdom teeth extracted 1 year ago.

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

No amalgam or cavities ever. Has sealants that are several years old.

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

Four amalgams. Several others unsafely removed before pregnancy

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

As Laura is 19 years old she has had every vaccine including flu and Gardasil which her twin sister reacted badly to in the extreme

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

Low dose birth control pills only

7. What is your age, height and weight?

Age 19. Height 5'5". Weight 110

8. Other information you feel may be relevant?

When I was pregnant with Laura we sanded and repainted our old house with lead paint. The bathtub that she was bathed in all of her life was also the old one with chipping lead paint. Then again when she was 8 our entire old home was remodeled. We found mold and stirred up even more lead paint. My (her mom) hair test shows that I have high lead so that was probably passed on in utero.

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

We live in Pasadena (Los Angeles County), California