



SEX: Female
AGE: 37

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.4	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.015	< 0.060	
Barium (Ba)	1.6	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	1.0	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.19	< 0.60	
Mercury (Hg)	2.2	< 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)	0.06	< 0.30	
Silver (Ag)	0.07	< 0.15	
Tin (Sn)	0.34	< 0.30	
Titanium (Ti)	0.38	< 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)	419	300- 1200			
Magnesium (Mg)	32	35- 120			
Sodium (Na)	29	20- 250			
Potassium (K)	3	8- 75			
Copper (Cu)	8.9	11- 37			
Zinc (Zn)	230	140- 220			
Manganese (Mn)	0.05	0.08- 0.60			
Chromium (Cr)	0.35	0.40- 0.65			
Vanadium (V)	0.016	0.018- 0.065			
Molybdenum (Mo)	0.023	0.020- 0.050			
Boron (B)	0.30	0.25- 1.5			
Iodine (I)	0.41	0.25- 1.8			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	163	150- 220			
Selenium (Se)	0.77	0.55- 1.1			
Strontium (Sr)	3.5	0.50- 7.6			
Sulfur (S)	43800	44000- 50000			
Cobalt (Co)	0.004	0.005- 0.040			
Iron (Fe)	7.1	7.0- 16			
Germanium (Ge)	0.027	0.030- 0.040			
Rubidium (Rb)	0.010	0.007- 0.096			
Zirconium (Zr)	0.26	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/21/2014		Ca/Mg	13.1
Date Received: 10/25/2014		Ca/P	2.57
Date Completed: 10/29/2014		Na/K	9.67
Methodology: ICP/MS		Zn/Cu	25.8
Sample Size: 0.201 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Biolage			
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 1020

What are your current symptoms and health history? Fatigue, acne, body aches, headaches, painful ovulation

Dental history (Wisdom teeth removed and when? Any other extractions. Still have wisdom teeth, no extractions

First root canal placed? 2 root canals about 4 or 5 months ago upper left molars.

Braces? no

First amalgam etc...) Half of my mouth is silver fillings from when I was a child. I have been told that the fillings were filled very deep almost to the nerve that's why I need root canals.

What dental work do you currently have in place? What part of the dental clean-up have you completed? I just had 2 white fillings and 2 crowns recently. Have many amalgams from the past.

What dentistry did your mother have at any time before or during pregnancy? All top teeth extracted and dentures before she was pregnant.

What vaccinations have you had and when (including flu and especially travel shots)? Childhood vaccination was complete.. Tetnus shot about 6 years ago. Never had a flu shot.

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

only supplement i take are Green Pastures Fermented Cod Liver Oil and ALA with high carbohydrate meals.

What is your age, height and weight? 37, 5'4, currently weigh 149

Other information you feel may be relevant ? What is your location – city & country (so that we can learn where certain toxins are more prevalent). Have a 1 year old child. I was on New Chapter organic prenatal vitamins during pregnancy and a few months after, but no longer. Live in Brick NJ USA