



SEX: Female
AGE: 34

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.8	< 7.0	
Antimony (Sb)	0.050	< 0.050	
Arsenic (As)	0.019	< 0.060	
Barium (Ba)	0.69	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.16	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.34	< 0.60	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.048	< 0.060	
Nickel (Ni)	0.08	< 0.30	
Silver (Ag)	0.02	< 0.15	
Tin (Sn)	0.66	< 0.30	
Titanium (Ti)	0.40	< 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)	373	300- 1200			
Magnesium (Mg)	43	35- 120			
Sodium (Na)	46	20- 250			
Potassium (K)	38	8- 75			
Copper (Cu)	17	11- 37			
Zinc (Zn)	160	140- 220			
Manganese (Mn)	0.07	0.08- 0.60			
Chromium (Cr)	0.36	0.40- 0.65			
Vanadium (V)	0.066	0.018- 0.065			
Molybdenum (Mo)	0.070	0.020- 0.050			
Boron (B)	1.1	0.25- 1.5			
Iodine (I)	1.9	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	126	150- 220			
Selenium (Se)	0.58	0.55- 1.1			
Strontium (Sr)	1.9	0.50- 7.6			
Sulfur (S)	46900	44000- 50000			
Cobalt (Co)	0.004	0.005- 0.040			
Iron (Fe)	5.2	7.0- 16			
Germanium (Ge)	0.035	0.030- 0.040			
Rubidium (Rb)	0.046	0.007- 0.096			
Zirconium (Zr)	0.46	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 04/10/2018	Sample Size: 0.202 g	Ca/Mg	8.67	4- 30
Date Received: 04/16/2018	Sample Type: Head	Ca/P	2.96	1- 12
Date Completed: 04/18/2018	Hair Color: Brown	Na/K	1.21	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	9.41	4- 20
	Shampoo: Herbal Essences	Zn/Cd	> 999	> 800

What are your current symptoms and health history?

-I have fibromyalgia and spinal arthritis along with degenerative disc disease in my neck. I also have erosive gastritis in my stomach and severe chronic depression.

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

-Wisdom teeth removed in 2004. Braces from 1999-2001. Amalgam removal in January 2018.

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

-Regular visits for check ups

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

-Dental amalgams

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

-I'm fully vaccinated. Last flu shot was in October 2016

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

-Supplements include ACE (250 mg, several times a day), vitamin C (4,000 mg/day), magnesium (800 mg/day), zinc (50 mg/day) and vitamin e (1,200 IU/day).

What is your age, height and weight?

-age: 34, height 5'6", weight 120 pounds

Other information you feel may be relevant?

-Began chelation in March 30th, 2018 with 25 mg ALA and 50 mg DMSA. First five rounds were great so increase to current level, 50 mg ALA & 100 mg DMSA

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

-I live in Southern California. Last summer, I spent one week in Beirut, Lebanon on vacation where I was exposed to higher concentrations of depleted uranium.

Any feedback about my results is greatly appreciated!!!!!!