



SEX: Female
 DOB: 09/20/1972
 AGE: 46

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.9	< 7.0	
Antimony (Sb)	0.012	< 0.050	
Arsenic (As)	0.029	< 0.060	
Barium (Ba)	0.17	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.032	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.12	< 0.60	
Mercury (Hg)	0.41	< 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)	0.09	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.07	< 0.30	
Titanium (Ti)	0.17	< 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)	286	300– 1200			
Magnesium (Mg)	16	35– 120			
Sodium (Na)	400	20– 250			
Potassium (K)	480	8– 75			
Copper (Cu)	9.5	11– 37			
Zinc (Zn)	130	140– 220			
Manganese (Mn)	0.09	0.08– 0.60			
Chromium (Cr)	0.47	0.40– 0.65			
Vanadium (V)	0.037	0.018– 0.065			
Molybdenum (Mo)	0.036	0.020– 0.050			
Boron (B)	2.0	0.25– 1.5			
Iodine (I)	0.41	0.25– 1.8			
Lithium (Li)	0.066	0.007– 0.020			
Phosphorus (P)	220	150– 220			
Selenium (Se)	0.65	0.55– 1.1			
Strontium (Sr)	0.55	0.50– 7.6			
Sulfur (S)	45200	44000– 50000			
Cobalt (Co)	0.003	0.005– 0.040			
Iron (Fe)	6.1	7.0– 16			
Germanium (Ge)	0.033	0.030– 0.040			
Rubidium (Rb)	0.76	0.007– 0.096			
Zirconium (Zr)	0.022	0.020– 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 08/31/2019	Sample Size: 0.205 g	Ca/Mg	17.9
Date Received: 09/09/2019	Sample Type: Head	Ca/P	1.3
Date Reported: 09/11/2019	Hair Color:	Na/K	0.833
Methodology: ICP/MS	Treatment:	Zn/Cu	13.7
	Shampoo:	Zn/Cd	> 999
		RANGE	
		4– 30	
		1– 12	
		0.5– 10	
		4– 20	
		> 800	

Health history for hair test 1394

- What are your current symptoms and health history?

I am 46 years old female with symptom of depression, low tolerance of stress, chronic fatigue, easy to get mad with anything unexpected, muscle pain from my back, shoulder and fingers, stiff neck, etc.

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

one amalgam tooth at age 20. removed at age 35.

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

None

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

None

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

Once at 40 years old

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

1. vitamin c, e magnesium, Zinc, vitamin b complex, moly
2. milk thistle, taurine, glycine, lecithin for liver support
3. candax for controlling yeast, arginine/lysine to increase neutrophil.
4. cod liver oil, ACE support adrenal

- What is your age, height and weight?

45 years old, 5 feet 3 inches, 120 pound

- Other information you feel may be relevant?

None

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

Boston, MA, USA