



SEX: Male
AGE: 47

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	26	< 12	
Antimony (Sb)	0.053	< 0.080	
Arsenic (As)	0.10	< 0.12	
Barium (Ba)	0.27	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	0.047	< 0.065	
Lead (Pb)	1.7	< 1.5	
Mercury (Hg)	0.31	< 0.80	
Platinum (Pt)	0.006	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.040	< 0.060	
Nickel (Ni)	0.07	< 0.40	
Silver (Ag)	0.14	< 0.10	
Tin (Sn)	0.16	< 0.30	
Titanium (Ti)	0.66	< 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)	324	375- 1100			
Magnesium (Mg)	53	40- 140			
Sodium (Na)	450	60- 400			
Potassium (K)	140	28- 160			
Copper (Cu)	9.6	11- 32			
Zinc (Zn)	260	120- 200			
Manganese (Mn)	0.35	0.15- 0.65			
Chromium (Cr)	0.73	0.40- 0.70			
Vanadium (V)	0.018	0.018- 0.065			
Molybdenum (Mo)	0.18	0.040- 0.080			
Boron (B)	1.4	0.40- 2.5			
Iodine (I)	0.80	0.25- 1.8			
Lithium (Li)	0.016	0.008- 0.030			
Phosphorus (P)	288	200- 300			
Selenium (Se)	1.0	0.80- 1.3			
Strontium (Sr)	1.6	1.0- 6.0			
Sulfur (S)	46700	41000- 47000			
Cobalt (Co)	0.82	0.006- 0.035			
Iron (Fe)	6.9	7.0- 16			
Germanium (Ge)	0.022	0.030- 0.040			
Rubidium (Rb)	0.14	0.030- 0.25			
Zirconium (Zr)	21	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS: results checked		ELEMENTS	RATIOS
Date Collected: 03/01/2015	Sample Size: 0.199 g	Ca/Mg	6.11
Date Received: 03/11/2015	Sample Type: Pubic	Ca/P	1.13
Date Completed: 03/14/2015	Hair Color: Brown	Na/K	3.21
Methodology: ICP/MS	Treatment:	Zn/Cu	27.1
	Shampoo: HS	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Hair Test 1071

1. What are your current symptoms and health history?

I was diagnosed with MS 10 years ago. I have a lot of fatigue, GI problems, depression, memory problems, pain, tingling, and I'm stress intolerant. I rarely feel like doing anything, and really don't have the energy or desire to socialize, even with my kids and grandkids.

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

My wisdom teeth were removed as a teenager. No other extractions. I had my first root canal placed 5 years ago. Amalgams were placed in my 20's.

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

I had all amalgams removed after the MS diagnosis, 10 years ago. No precautions were taken during removal and replacement.

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

My mother got false teeth at 16 years of age.

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

No vaccinations.

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

Vitamin C, magnesium, zinc, D3, and some fish oil.

7. What is your age, height and weight?

47 years old, 6'1.5", 235lbs.

8. Other information you feel may be relevant?

I did play with mercury as a child.

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

Near Fort Wayne, IN.