



SEX: Male  
AGE: 34

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	7.3	< 12	
Antimony (Sb)	0.018	< 0.080	
Arsenic (As)	0.033	< 0.12	
Barium (Ba)	1.1	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	0.033	< 0.065	
Lead (Pb)	0.39	< 1.5	
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)	0.061	< 0.060	
Nickel (Ni)	0.17	< 0.40	
Silver (Ag)	0.07	< 0.10	
Tin (Sn)	0.09	< 0.30	
Titanium (Ti)	0.51	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	1300	375- 1100	
Magnesium (Mg)	270	40- 140	
Sodium (Na)	37	60- 400	
Potassium (K)	4	28- 160	
Copper (Cu)	58	11- 32	
Zinc (Zn)	160	120- 200	
Manganese (Mn)	0.17	0.15- 0.65	
Chromium (Cr)	0.38	0.40- 0.70	
Vanadium (V)	0.013	0.018- 0.065	
Molybdenum (Mo)	0.035	0.040- 0.080	
Boron (B)	0.69	0.40- 2.5	
Iodine (I)	0.41	0.25- 1.8	
Lithium (Li)	0.007	0.008- 0.030	
Phosphorus (P)	212	200- 300	
Selenium (Se)	0.87	0.80- 1.3	
Strontium (Sr)	2.9	1.0- 6.0	
Sulfur (S)	41700	41000- 47000	
Cobalt (Co)	0.010	0.006- 0.035	
Iron (Fe)	9.9	7.0- 16	
Germanium (Ge)	0.014	0.030- 0.040	
Rubidium (Rb)	0.006	0.030- 0.25	
Zirconium (Zr)	0.30	0.040- 1.0	

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 07/30/2014	Sample Size: 0.196 g	Ca/Mg	4.81	4- 30
Date Received: 08/01/2014	Sample Type: Pubic	Ca/P	6.13	0.8- 8
Date Completed: 08/03/2014	Hair Color: Brown	Na/K	9.25	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.76	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## **Health history for hair test 989**

### **1.What are your current symptoms and health history?**

tremor, neuropathy, depression, anxiety

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

took baseball to the mouth when I was younger which resulted in a root canal, 2 crowns, 2 veneers. I have no fillings.

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

I had my metal crowns replaced with porcelain 3 years ago.

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

she had fillings while pregnant with me

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

all the usual

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

750mg magnesium, 3000mg vitamin C

### **7.What is your age, height and weight?**

34 - 5'7 - 160

### **8.Other information you feel may be relevant?**

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

Chicago, IL