



HAIRTEST: Number 884  
 SEX: Male  
 AGE: 47

*Toxic & Essential Elements; Hair*

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.8	< 7.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.028	< 0.080	
Barium (Ba)	0.15	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.006	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.13	< 0.80	
Mercury (Hg)	11	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.010	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	< 0.02	< 0.30	
Titanium (Ti)	0.35	< 0.60	
<b>Total Toxic Representation</b>			

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)	250	200- 750			
Magnesium (Mg)	32	25- 75			
Sodium (Na)	86	20- 180			
Potassium (K)	29	9- 80			
Copper (Cu)	50	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.40	0.40- 0.70			
Vanadium (V)	0.023	0.018- 0.065			
Molybdenum (Mo)	0.020	0.025- 0.060			
Boron (B)	0.42	0.40- 3.0			
Iodine (I)	0.31	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	192	150- 220			
Selenium (Se)	0.69	0.70- 1.2			
Strontium (Sr)	0.17	0.30- 3.5			
Sulfur (S)	49300	44000- 50000			
Cobalt (Co)	0.002	0.004- 0.020			
Iron (Fe)	6.7	7.0- 16			
Germanium (Ge)	0.037	0.030- 0.040			
Rubidium (Rb)	0.022	0.011- 0.12			
Zirconium (Zr)	0.019	0.020- 0.44			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>	<b>RANGE</b>
Date Collected: 11/23/2013	Sample Size: 0.202 g	Ca/Mg	7.81	4- 30
Date Received: 11/26/2013	Sample Type: Head	Ca/P	1.3	0.8- 8
Date Completed: 11/27/2013	Hair Color:	Na/K	2.97	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	3.8	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## Health history for hair test 884

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

fatigue, brain fog, muscle weakness, weight loss

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

wisdom teeth remain  
no extractions  
no root canal  
9 amalgams, 6 replaced

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

9 amalgams, 6 replaced

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

unknown

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

had a few flu vaccines in the past few years (think 2). no travel vaccines. Polio.

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

Vitamin C - 4g/day  
Molybdenum - 100mg/day  
Magnesium - 300mg/day  
Selenium - 100mg/day  
Vitamin B9 -  
Vitamin B12 - 1g/day

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

age 47  
height 6 feet  
weight 147 lb

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

intestinal discomfort, nail fungus, itchy/scaly patches on inside of ankles

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

New York, NY, USA