



SEX: Male  
AGE: 28

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	1.7	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.061	< 0.080	
Barium (Ba)	0.13	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.24	< 0.80	
Mercury (Hg)	0.05	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.014	< 0.060	
Nickel (Ni)	0.07	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.19	< 0.30	
Titanium (Ti)	0.45	< 0.60	
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)	551	200- 750			
Magnesium (Mg)	38	25- 75			
Sodium (Na)	10	20- 180			
Potassium (K)	10	9- 80			
Copper (Cu)	11	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	0.11	0.08- 0.50			
Chromium (Cr)	0.38	0.40- 0.70			
Vanadium (V)	0.024	0.018- 0.065			
Molybdenum (Mo)	0.040	0.025- 0.060			
Boron (B)	1.0	0.40- 3.0			
Iodine (I)	0.79	0.25- 1.8			
Lithium (Li)	0.004	0.007- 0.020			
Phosphorus (P)	212	150- 220			
Selenium (Se)	0.53	0.70- 1.2			
Strontium (Sr)	0.52	0.30- 3.5			
Sulfur (S)	46800	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	10	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.007	0.011- 0.12			
Zirconium (Zr)	0.042	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 09/11/2014		Ca/Mg	14.5
Date Received: 09/16/2014		Ca/P	2.6
Date Completed: 09/19/2014		Na/K	1
Methodology: ICP/MS		Zn/Cu	18.2
Sample Size: 0.204 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Black	Treatment:		
Shampoo:			
		<b>RANGE</b>	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## **Health history for hair test 1009**

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

Weight loss, candida overgrowth, many food, chemical and electric sensitivities, loss of hair, adrenal fatigue, low thyroid, mood swings and loss of concentration. Appendix removal at the age of 9.

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

Four amalgam fillings placed at the age of 7.

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

An amalgam removed without protection at 25, the three remaining ones removed with protection at 27 (6 months before the hair test).

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

Four amalgam fillings before and during pregnancy.

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

Tetanus shots at the age of 6 and 10.

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

Molybdenum 250mcg/day.

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

28, 5'7" and 105lbs.

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

Three years of PPI that inhibited acid production in the stomach (21-24yo), lived a few months in an apartment located right above the electric "plant" of the building.

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

Belgium, Liège.