



PATIENT: Number 718  
 SEX: Male  
 AGE: 36

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	8.0	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.037	< 0.080	
Barium (Ba)	0.23	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.03	< 0.80	
Mercury (Hg)	1.0	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.091	< 0.060	
Nickel (Ni)	0.02	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.19	< 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)	216	200- 750			
Magnesium (Mg)	25	25- 75			
Sodium (Na)	18	20- 180			
Potassium (K)	8	9- 80			
Copper (Cu)	7.3	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.022	0.018- 0.065			
Molybdenum (Mo)	0.022	0.025- 0.060			
Boron (B)	0.67	0.40- 3.0			
Iodine (I)	0.47	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	151	150- 220			
Selenium (Se)	0.75	0.70- 1.2			
Strontium (Sr)	0.87	0.30- 3.5			
Sulfur (S)	45800	44000- 50000			
Cobalt (Co)	0.017	0.004- 0.020			
Iron (Fe)	4.8	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.005	0.011- 0.12			
Zirconium (Zr)	0.019	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 01/04/2013		Ca/Mg	8.64
Date Received: 01/08/2013		Ca/P	1.43
Date Completed: 01/10/2013		Na/K	2.25
Methodology: ICP/MS		Zn/Cu	26
Sample Size: 0.197 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Red	Treatment:		
Shampoo: Suave			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## **Hair Test 718**

**What are your current symptoms and health history?** Mild brain fog, intermittent mild depression, anxiety (rare), recurring low-back pain

**Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** Wisdom teeth removed in 1994. Braces in teen years - late 80's into 90's. No root canals. Four amalgams placed in teen years and early twenties, one (deteriorated) replaced with composite last year.

**What dental work do you currently have in place? What part of the dental clean-up have you completed?** 3 amalgams, 3 composite. Scheduled for replacement of amalgams over the next 12 weeks.

**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)?** All normal childhood vaccinations, flu shots for last 3-4 years

**Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Omega 3/6/9, daily multi, Vitamin B-50, Vitamin D

**What is your age, height and weight?** 36, 6' 2", 185

**What is your location – city & country (so that we can learn where certain toxins are more prevalent)** San Jose, CA