



SEX: Male  
AGE: 40

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.3	< 12	
Antimony (Sb)	0.071	< 0.080	
Arsenic (As)	0.038	< 0.12	
Barium (Ba)	5.0	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.028	< 2.0	
Cadmium (Cd)	0.011	< 0.065	
Lead (Pb)	0.54	< 1.5	
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)	0.004	< 0.060	
Nickel (Ni)	3.0	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.40	< 0.30	
Titanium (Ti)	0.82	< 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)	1100	375- 1100			
Magnesium (Mg)	170	40- 140			
Sodium (Na)	420	60- 400			
Potassium (K)	210	28- 160			
Copper (Cu)	38	11- 32			
Zinc (Zn)	200	120- 200			
Manganese (Mn)	0.16	0.15- 0.65			
Chromium (Cr)	0.53	0.40- 0.70			
Vanadium (V)	0.046	0.018- 0.065			
Molybdenum (Mo)	0.062	0.040- 0.080			
Boron (B)	3.2	0.40- 2.5			
Iodine (I)	0.26	0.25- 1.8			
Lithium (Li)	0.021	0.008- 0.030			
Phosphorus (P)	374	200- 300			
Selenium (Se)	0.71	0.80- 1.3			
Strontium (Sr)	8.3	1.0- 6.0			
Sulfur (S)	41800	41000- 47000			
Cobalt (Co)	0.032	0.006- 0.035			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.26	0.030- 0.25			
Zirconium (Zr)	0.085	0.040- 1.0			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b> Results checked.		ELEMENTS	RATIOS
Date Collected: 03/29/2015	Sample Size: 0.125 g	Ca/Mg	6.47
Date Received: 04/17/2015	Sample Type: Pubic	Ca/P	2.94
Date Completed: 04/21/2015	Hair Color: Brown	Na/K	2
Methodology: ICP/MS	Treatment:	Zn/Cu	5.26
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

### **Hair test 1083**

1) What are your current symptoms and health history?

seasonal allergies, toenail fungus, gluten sensitivity

2) Dental history

Still have wisdom teeth. 1 molar extracted at 16. amalgams placed in 20's.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

8 amalgam fillings, 1 bridge, yet to be removed.

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

unknown

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

Typical childhood vaccinations.

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

none

7) Other information you feel may be relevant?

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

Woodland, CA