



SEX: Male  
AGE: 6

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	9.3	< 8.0	
Antimony (Sb)	0.31	< 0.066	
Arsenic (As)	0.057	< 0.080	
Barium (Ba)	1.3	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.18	< 2.0	
Cadmium (Cd)	0.013	< 0.070	
Lead (Pb)	0.39	< 1.0	
Mercury (Hg)	0.25	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.16	< 0.060	
Nickel (Ni)	0.19	< 0.20	
Silver (Ag)	1.5	< 0.14	
Tin (Sn)	0.67	< 0.30	
Titanium (Ti)	0.34	< 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)	268	160- 500			
Magnesium (Mg)	14	12- 50			
Sodium (Na)	33	20- 200			
Potassium (K)	13	12- 140			
Copper (Cu)	27	11- 32			
Zinc (Zn)	56	110- 190			
Manganese (Mn)	0.14	0.08- 0.50			
Chromium (Cr)	0.62	0.40- 0.70			
Vanadium (V)	0.11	0.025- 0.10			
Molybdenum (Mo)	0.11	0.040- 0.090			
Boron (B)	0.78	0.50- 3.5			
Iodine (I)	2.3	0.25- 1.3			
Lithium (Li)	0.008	0.007- 0.020			
Phosphorus (P)	144	150- 220			
Selenium (Se)	0.76	0.70- 1.1			
Strontium (Sr)	1.7	0.21- 2.1			
Sulfur (S)	47800	44000- 51000			
Cobalt (Co)	0.005	0.004- 0.020			
Iron (Fe)	7.0	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.010	0.008- 0.080			
Zirconium (Zr)	0.068	0.060- 0.70			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 12/24/2012		Ca/Mg	19.1
Date Received: 12/27/2012		Ca/P	1.86
Date Completed: 12/30/2012		Na/K	2.54
Methodology: ICP/MS		Zn/Cu	2.07
Sample Size: 0.202 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Broenner			
		<b>RANGE</b>	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Hair Test 1070

1. What are your current symptoms and health history? **Language comprehension, mild speech issues**
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) - **NA**
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? **NA**
4. What dentistry did your mother have at any time before or during pregnancy? **8 amalgams, 4 removed before pregnancy, 4 stayed during pregnancy**
5. What vaccinations have you had and when (including flu and especially travel shots)?- **regular USA schedule starting 10/2006. No flu shoots**
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **NA**
7. What is your age, height and weight? **current age 8 (age when hair test taken : 6)**
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).**Houston, USA**