



SEX: Male
AGE: 8

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.7	< 8.0	
Antimony (Sb)	0.031	< 0.066	
Arsenic (As)	0.056	< 0.080	
Barium (Ba)	0.12	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.017	< 2.0	
Cadmium (Cd)	0.009	< 0.070	
Lead (Pb)	0.19	< 1.0	
Mercury (Hg)	0.12	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.12	< 0.060	
Nickel (Ni)	0.04	< 0.20	
Silver (Ag)	0.05	< 0.14	
Tin (Sn)	0.30	< 0.30	
Titanium (Ti)	0.10	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	135	160- 500	
Magnesium (Mg)	12	12- 50	
Sodium (Na)	73	20- 200	
Potassium (K)	44	12- 140	
Copper (Cu)	53	11- 32	
Zinc (Zn)	130	110- 190	
Manganese (Mn)	0.08	0.08- 0.50	
Chromium (Cr)	0.49	0.40- 0.70	
Vanadium (V)	0.058	0.025- 0.10	
Molybdenum (Mo)	0.056	0.040- 0.090	
Boron (B)	6.5	0.50- 3.5	
Iodine (I)	1.0	0.25- 1.3	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	158	150- 220	
Selenium (Se)	0.76	0.70- 1.1	
Strontium (Sr)	0.15	0.21- 2.1	
Sulfur (S)	51800	44000- 51000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	6.3	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.043	0.008- 0.080	
Zirconium (Zr)	0.030	0.060- 0.70	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 03/30/2015		Ca/Mg	11.3
Date Received: 04/06/2015		Ca/P	0.854
Date Completed: 04/09/2015		Na/K	1.66
Methodology: ICP/MS		Zn/Cu	2.45
Sample Size: 0.2 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Dr Broener			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Hair Test 1078

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 shots**
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **Vit C, Zinc, E, Mg, ACE, Cod Oil**
7. What is your age, height and weight? **current age 8.5**
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**