

*Toxic & Essential Elements; Hair*

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.9	< 7.0	
Antimony (Sb)	0.022	< 0.050	
Arsenic (As)	0.058	< 0.060	
Barium (Ba)	0.54	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.015	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.25	< 0.60	
Mercury (Hg)	2.0	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.010	< 0.060	
Nickel (Ni)	0.08	< 0.30	
Silver (Ag)	0.03	< 0.15	
Tin (Sn)	0.28	< 0.30	
Titanium (Ti)	0.27	< 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)	1380	300- 1200	
Magnesium (Mg)	120	35- 120	
Sodium (Na)	36	20- 250	
Potassium (K)	13	8- 75	
Copper (Cu)	12	11- 37	
Zinc (Zn)	210	140- 220	
Manganese (Mn)	0.09	0.08- 0.60	
Chromium (Cr)	0.29	0.40- 0.65	
Vanadium (V)	0.027	0.018- 0.065	
Molybdenum (Mo)	0.039	0.020- 0.050	
Boron (B)	0.56	0.25- 1.5	
Iodine (I)	0.54	0.25- 1.8	
Lithium (Li)	0.005	0.007- 0.020	
Phosphorus (P)	181	150- 220	
Selenium (Se)	0.64	0.55- 1.1	
Strontium (Sr)	9.4	0.50- 7.6	
Sulfur (S)	47900	44000- 50000	
Cobalt (Co)	0.006	0.005- 0.040	
Iron (Fe)	8.1	7.0- 16	
Germanium (Ge)	0.019	0.030- 0.040	
Rubidium (Rb)	0.017	0.007- 0.096	
Zirconium (Zr)	0.038	0.020- 0.42	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 12/18/2012		Ca/Mg	11.5
Date Received: 12/28/2012		Ca/P	7.62
Date Completed: 12/30/2012		Na/K	2.77
Methodology: ICP/MS		Zn/Cu	17.5
Sample Size: 0.196 g	Sample Type: Head	Zn/Cd	> 999
Hair Color:	Treatment:		
Shampoo:			

## Health history for hair test 720

1. What are your current symptoms and health history? **Memory loss, chronic fatigue, muscular pain and weakness, mental blurr, mental fatigue, difficulty with sequences of number and letters, depression, anxiety, extreme mood swings, rocking sensation in the head, difficulty with coordination, numbness on hads and feet,**
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) **8 amalgams during childhood. ALL removed inappropriately 6 years ago. One left behind that will be removed tomorrow with holistic dentist. No extractions, no root canals. No wisdom teeth removed.**
3. What dentistry did your mother have at any time before or during pregnancy? **Several amalgams before pregnancy**
4. What vaccinations have you had and when (including flu and especially travel shots)? **Only the regular vaccines as a kid for mum, chicken pox, varicella, etc. One flu shot 2 years ago.**
5. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **1 scoop of amazing grass in shake every morning. thats it.**
6. What is your age, height and weight? **36, 5'9 , 135 Pd**
7. Other information you feel may be relevant? **I dont know if my mercury comes from amalgams or fish. I grew up in Cuba and we ate a lot of shark and swordfish.**
8. What is your location – city & country (so that we can learn where certain toxins are more prevalent). **Miami, FL**