

**POTENTIALLY TOXIC ELEMENTS**

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	7.7	< 7.0		
Antimony	0.011	< 0.050		
Arsenic	0.059	< 0.060		
Barium	1.1	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.008	< 2.0		
Cadmium	0.045	< 0.050		
Lead	0.12	< 0.60		
Mercury	0.42	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.006	< 0.060		
Nickel	0.18	< 0.30		
Silver	0.01	< 0.15		
Tin	0.37	< 0.30		
Titanium	0.43	< 0.70		
Total Toxic Representation				

**ESSENTIAL AND OTHER ELEMENTS**

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	646	300- 1200					
Magnesium	61	35- 120					
Sodium	100	20- 250					
Potassium	100	8- 75					
Copper	17	11- 37					
Zinc	290	140- 220					
Manganese	0.65	0.08- 0.60					
Chromium	0.44	0.40- 0.65					
Vanadium	0.041	0.018- 0.065					
Molybdenum	0.054	0.020- 0.050					
Boron	0.91	0.25- 1.5					
Iodine	0.97	0.25- 1.8					
Lithium	0.005	0.007- 0.020					
Phosphorus	181	150- 220					
Selenium	1.2	0.55- 1.1					
Strontium	1.3	0.50- 7.6					
Sulfur	46200	44000- 50000					
Cobalt	0.015	0.005- 0.040					
Iron	13	7.0- 16					
Germanium	0.032	0.030- 0.040					
Rubidium	0.11	0.007- 0.096					
Zirconium	0.036	0.020- 0.42					

**SPECIMEN DATA**

**RATIOS**

<b>COMMENTS:</b>				<b>ELEMENTS</b>	<b>RATIOS</b>	<b>EXPECTED RANGE</b>
Date Collected: 1/28/2011	Sample Size: 0.203 g			Ca/Mg	10.6	4- 30
Date Received: 2/4/2011	Sample Type: Head			Ca/P	3.57	1- 12
Date Completed: 2/7/2011	Hair Color: Black			Na/K	1	0.5- 10
Client Reference: 1264300	Treatment:			Zn/Cu	17.1	4- 20
Methodology: ICP-MS	Shampoo: Garnier Fructis			Zn/Cd	> 999	> 800
	V010.08					

## Health history for hair test 446

1) What are your current symptoms and health history?

I am fairly healthy, but I have elevated bad chlesterol regardless of healthier eating than the most.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

I had mouth full of fillings and two crowns for 20 years or so, but they are all replaced with white enemel looking ones. Never had any wisdom teeth.

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

4) What dentistry did your mother have at any time before or during pregnancy? I don't think she had any.

5) What vaccinations have you had and when (including flu and especially travel shots)? all the required vaccines including small pox, hepatitis B, flu shots for a few years, but I stopped for last couple of years after having autistic daughter.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. multivitamins, extra vitamin Cs here and there, vitamin E here and there, baby aspirin, Niaspan, Omega 3, virastop & mucostop during illness, Grapefruit Seed Extract here and there, Olive Leaf extract here and there duing illness

7) Other information you feel may be relevant? autistic kid broke the lamps a couple of times, the bulb was full of mercury

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