

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	✓	PERCENTILE	
				68 th	95 th
Aluminum	4.0	< 12			
Antimony	0.082	< 0.060			
Arsenic	0.088	< 0.090			
Barium	0.77	< 2.0			
Beryllium	< 0.01	< 0.020			
Bismuth	0.39	< 2.0			
Cadmium	0.017	< 0.050			
Lead	0.05	< 1.0			
Mercury	0.05	< 0.80			
Platinum	< 0.003	< 0.005			
Thallium	< 0.001	< 0.002			
Thorium	0.005	< 0.002			
Uranium	< 0.001	< 0.060			
Nickel	0.05	< 0.40			
Silver	0.03	< 0.10			
Tin	0.12	< 0.30			
Titanium	0.73	< 1.3			
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	288	475- 1500					
Magnesium	43	45- 180					
Sodium	260	80- 450					
Potassium	120	28- 160					
Copper	11	11- 30					
Zinc	160	130- 200					
Manganese	0.30	0.15- 0.65					
Chromium	0.42	0.40- 0.65					
Vanadium	0.034	0.018- 0.065					
Molybdenum	0.058	0.040- 0.10					
Boron	1.5	0.40- 4.0					
Iodine	0.46	0.25- 1.8					
Lithium	0.008	0.008- 0.030					
Phosphorus	276	250- 500					
Selenium	1.1	0.80- 1.3					
Strontium	0.64	1.0- 8.0					
Sulfur	44000	42000- 48000					
Cobalt	0.006	0.006- 0.035					
Iron	8.8	7.0- 16					
Germanium	0.028	0.030- 0.040					
Rubidium	0.11	0.030- 0.25					
Zirconium	0.48	0.040- 1.0					

SPECIMEN DATA

RATIOS

COMMENTS:

Date Collected: 3/20/2011 Sample Size: 0.196 g
 Date Received: 3/28/2011 Sample Type: Pubic
 Date Completed: 4/5/2011 Hair Color: Brown
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Redken

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	6.7	4 - 30
Ca/P	1.04	1 - 12
Na/K	2.17	0.5 - 10
Zn/Cu	14.5	4 - 20
Zn/Cd	> 999	> 800

V010.08

poor absorption

Health history for hair test 486

1. **What are your current symptoms and health history?** Severe interstitial cystitis, chronic fatigue, achey legs, back/neck pain, anxiety at times, weak adrenals, tmj, always cold, being treated for possible lyme, doctors are not sure if it's lyme, mercury, or both
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** I've had one bottom right molar removed, had a zirconia bridge placed there. First root canal was when I was young, maybe 11 or 12. I have a total of 4 root canals, I had 12 amalgams in, since I was a kid, but recently had them all removed by a biological dentist.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** Four crowns, one bridge with two crowns, and one veneer. Removed all mercury.
4. **What dentistry did your mother have at any time before or during pregnancy?** She doesn't remember but she did have amalgams.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** I had the basic ones you get when you're young, I don't have a record unfortunately, never had any flu shots or any shots recently
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** I wasn't taking anything at the time, for a few months before that I was taking adrenal glandulars, and nystatin/diflucan
7. **What is your age, height and weight?** 27, 5', 95 lbs
8. **Other information you feel may be relevant?** I have a copy of the 677T gene mutation. Just one.
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** NYC