

HAIR ELEMENTS



PATIENT: Number 236
SEX: Female
AGE: 40
LOCATION: Central Pennsylvania

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.2	< 7.0		
Antimony	0.037	< 0.050		
Arsenic	0.035	< 0.060		
Barium	2.7	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.009	< 2.0		
Cadmium	0.037	< 0.050		
Lead	0.42	< 0.60		
Mercury	0.14	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.009	< 0.060		
Nickel	0.25	< 0.30		
Silver	0.01	< 0.15		
Tin	0.27	< 0.30		
Titanium	0.81	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	2100	300- 1200					
Magnesium	480	35- 120					
Sodium	83	20- 250					
Potassium	21	8- 75					
Copper	11	11- 37					
Zinc	190	140- 220					
Manganese	0.26	0.08- 0.60					
Chromium	0.22	0.40- 0.65					
Vanadium	0.036	0.018- 0.065					
Molybdenum	< 0.01	0.020- 0.050					
Boron	2.0	0.25- 1.5					
Iodine	0.21	0.25- 1.8					
Lithium	0.018	0.007- 0.020					
Phosphorus	417	150- 220					
Selenium	0.71	0.55- 1.1					
Strontium	12	0.50- 7.6					
Sulfur	50500	44000- 50000					
Cobalt	0.060	0.005- 0.040					
Iron	6.5	7.0- 16					
Germanium	0.040	0.030- 0.040					
Rubidium	0.034	0.007- 0.096					
Zirconium	0.031	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 12/8/2008 Sample Size: 0.207 g
 Date Received: 12/18/2008 Sample Type: Head
 Date Completed: 12/23/2008 Hair Color:
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Tea Tree Oil

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	4.38	4- 30
Ca/P	5.04	1- 12
Na/K	3.95	0.5- 10
Zn/Cu	17.3	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 236

1) What are your current symptoms and health history?

At the beginning of last year, I began having issues with anxiety, extreme fatigue, memory problems, candida overgrowth and parasites. The worse symptom I had was a skin rash that developed over my face, neck, underarms, groin areas. It is possible that the rash was contact dermatitis. I just had it biopsied and will have the results this week. Up until last year, I did not have any significant health issues. I have had some problems with anxiety off and on most of my adult life.

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

2 wisdom teeth have been removed. I currently have one impacted wisdom tooth. I have 3 root canal (one of which failed) placed within the last 10 years. I had braces for 1 year when I was 19. I have 5 amalgams. I am not sure when I got them, but I had a large one removed last fall because I had decay around it. It was not removed properly because I didn't know anything about the dangers of having them removed improperly at the time.

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

I have 3 root canals, 5 amalgams, and an impacted wisdom tooth. I have seen a holistic dentist and have the plan for my cleanup.

4) What dentistry did your mother have at any time before or during pregnancy? Not sure about this

5) What vaccinations have you had and when (including flu and especially travel shots)?

I had typical childhood vaccinations for someone my age. No flu or travel shots.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.

No medications

Garden of Life Perfect Food

Vitamin C 500-2000mg/day

Oil of Oregano

Garlic

For 2 months prior to the hair test I wasn't taking any supplements because I was following a macrobiotic diet

7) Other information you feel may be relevant?

I did detox baths (high amounts of baking soda, H₂O₂, Epsom salts) and a few clay baths prior to my hair test.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent). Central Pennsylvania