

# HAIR ELEMENTS



LAB#:   
PATIENT:   
ID:   
SEX: Female   
AGE: 34

CLIENT#:   
DOCTOR:

## POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	35	< 12		
Antimony	0.11	< 0.060		
Arsenic	0.11	< 0.090		
Barium	0.59	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.070	< 2.0		
Cadmium	0.021	< 0.050		
Lead	0.11	< 1.0		
Mercury	0.98	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	< 0.001	< 0.060		
Nickel	0.52	< 0.40		
Silver	0.02	< 0.10		
Tin	0.10	< 0.30		
Titanium	0.80	< 1.3		
Total Toxic Representation				

## ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/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	334	475- 1500					
Magnesium	40	45- 180					
Sodium	790	80- 450					
Potassium	570	28- 160					
Copper	8.6	11- 30					
Zinc	130	130- 200					
Manganese	0.12	0.15- 0.65					
Chromium	0.58	0.40- 0.65					
Vanadium	0.055	0.018- 0.065					
Molybdenum	0.046	0.040- 0.10					
Boron	3.7	0.40- 4.0					
Iodine	8.5	0.25- 1.8					
Lithium	0.012	0.008- 0.030					
Phosphorus	315	250- 500					
Selenium	1.0	0.80- 1.3					
Strontium	0.75	1.0- 8.0					
Sulfur	47200	42000- 48000					
Cobalt	0.020	0.006- 0.035					
Iron	13	7.0- 16					
Germanium	0.025	0.030- 0.040					
Rubidium	0.45	0.030- 0.25					
Zirconium	0.078	0.040- 1.0					

## SPECIMEN DATA

### COMMENTS:

Date Collected: 11/28/2010  
Date Received: 12/2/2010  
Date Completed: 12/4/2010  
Client Reference:  
Methodology: IC-MS

Sample Size: 0.2 g  
Sample Type: Pubic  
Hair Color: Black  
Treatment:  
Shampoo: Castille Soap

V010.08

## RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	8.35	4- 30
Ca/P	1.06	1- 12
Na/K	1.39	0.5- 10
Zn/Cu	15.1	4- 20
Zn/Cd	> 999	> 800

### **Health history for hair test 433**

1. **What are your current symptoms and health history?** I'm fine.
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)**  
Removed all 4 wisdom teeth in 2000. One Root canal in 2004. No Braces.  
First amalgam in 1992. Total amalgams, 3.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** 3 amalgams, one root canal.
4. **What dentistry did your mother have at any time before or during pregnancy?** No dentistry before my birth.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** Tetanus and Hep A for travel in 2006. MMR in 2004.  
Seasonal Flu 2006. No vaccinations before 2004 except for 3 flu shots between 2001 and 2003. (raised in Italy).
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Vitamin C 250 mg per day and "Fem Rebalance" by Vitanica 1 capsule per day, Vit D 3000 IU per week.
7. **What is your age, height and weight?** 34 years old, 5'-2" tall, 131 lbs.
8. **Other information you feel may be relevant?** No.
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Long Island, New York, USA.