

# HAIR ELEMENTS



**PATIENT: Number 264**  
**SEX: Female**  
**AGE: 64**  
**LOCATION: Live Oak, Florida**

## POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	4.5	< 7.0		
Antimony	0.028	< 0.050		
Arsenic	0.14	< 0.060		
Barium	0.53	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.024	< 2.0		
Cadmium	0.20	< 0.050		
Lead	0.41	< 0.60		
Mercury	0.03	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.003	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.41	< 0.060		
Nickel	0.18	< 0.30		
Silver	0.04	< 0.15		
Tin	0.19	< 0.30		
Titanium	0.50	< 0.70		
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	723	300- 1200					
Magnesium	38	35- 120					
Sodium	590	20- 250					
Potassium	510	8- 75					
Copper	11	11- 37					
Zinc	150	140- 220					
Manganese	0.29	0.08- 0.60					
Chromium	0.74	0.40- 0.65					
Vanadium	0.11	0.018- 0.065					
Molybdenum	0.097	0.020- 0.050					
Boron	26	0.25- 1.5					
Iodine	0.42	0.25- 1.8					
Lithium	0.010	0.007- 0.020					
Phosphorus	223	150- 220					
Selenium	1.3	0.55- 1.1					
Strontium	0.50	0.50- 7.6					
Sulfur	46900	44000- 50000					
Cobalt	0.007	0.005- 0.040					
Iron	13	7.0- 16					
Germanium	0.028	0.030- 0.040					
Rubidium	0.26	0.007- 0.096					
Zirconium	0.037	0.020- 0.42					

### SPECIMEN DATA

**COMMENTS:**  
Date Collected: 2/19/2009      Sample Size: 0.198 g  
Date Received: 2/23/2009      Sample Type: Head  
Date Completed: 2/27/2009      Hair Color: Brown  
Client Reference:                      Treatment:  
Methodology: ICP-MS                      Shampoo: Homemade Herbal  
V010.08

### RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	19	4- 30
Ca/P	3.24	1- 12
Na/K	1.16	0.5- 10
Zn/Cu	13.6	4- 20
Zn/Cd	750	> 800

**1a. My current symptoms are**

**Chronic fatigue, easily stressed, easily startled out of my wits, unrefreshed sleep, low oral temp 96-97, poorly digested food, unable to sleep, parasite infection, aching (esp. coccyx, lumbar region, back of neck), unable to tolerate much exercise.**

**1b. Health history:**

**Low serum potassium in past 1990's, allergy shot 80's-90's, rheumatoid arthritis, mononucleosis, herpes simplex, allergies, food sensitivities, chemical sensitivities, fibromyalgia (cured), hypertension since age 35, childhood usage of Merthiolate (used for cuts, etc., which burned and left reddish green glaze on skin) and Mercurochrome (did not burn so was used liberally on cuts and abrasions), do not take any medications, suppressed T cells on blood work, wbc', always abnormal..**

**2. Wisdom teeth removed. Never wore braces nor had root canal work done. 1<sup>st</sup> amalgams at age 16.**

**3. I have 14 amalgams and have had no dental clean-up as yet.**

**4. Uncertain of my mother's dental history.**

**5. I had all of the childhood vaccinations that were available for children back in the 50's. I was also vaccinated in the school setting in 1953 at about age 9. This made me very ill for about 6 months. I may have had flu shots once or twice long time ago.**

**6. I took no medications nor suppliments prior to and during hair test sampling.**

**7. I am 64 years old, 5 feet 4 inches tall, weigh 165 pounds.**

**8. Other relevant information:**

**I have had Dr.Hulda Clark's colon, parasite, kidney and liver cleanses 6 months ago; still have parasites. On 3/3/09 started DHEA 25mg daily, probiotics, Betaine HCL, 5HTP100mg, L-proline 500mg, digestive enzymes, a super adrenal stress formula. Not sure whether or not I need cortisol or adrenolene.**

**9. I lived in Orlando, Florida up to age twelve, moved to Trenton, N.J., then returned 1977. I now live in Live Oak, Florida in the countryside.**