

HAIR ELEMENTS



PATIENT: Number 267
SEX: Female
AGE: 71
LOCATION: Rural beach, Florida

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	13	< 7.0		
Antimony	0.12	< 0.050		
Arsenic	0.099	< 0.060		
Barium	0.71	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.33	< 2.0		
Cadmium	0.34	< 0.050		
Lead	3.8	< 0.60		
Mercury	3.1	< 0.80		
Platinum	0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.022	< 0.060		
Nickel	0.54	< 0.30		
Silver	0.88	< 0.15		
Tin	1.5	< 0.30		
Titanium	1.2	< 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	1570	300- 1200					
Magnesium	42	35- 120					
Sodium	190	20- 250					
Potassium	26	8- 75					
Copper	19	11- 37					
Zinc	150	140- 220					
Manganese	0.27	0.08- 0.60					
Chromium	0.72	0.40- 0.65					
Vanadium	0.12	0.018- 0.065					
Molybdenum	0.039	0.020- 0.050					
Boron	4.5	0.25- 1.5					
Iodine	3.3	0.25- 1.8					
Lithium	0.017	0.007- 0.020					
Phosphorus	189	150- 220					
Selenium	1.4	0.55- 1.1					
Strontium	5.5	0.50- 7.6					
Sulfur	52500	44000- 50000					
Cobalt	0.021	0.005- 0.040					
Iron	16	7.0- 16					
Germanium	0.036	0.030- 0.040					
Rubidium	0.036	0.007- 0.096					
Zirconium	0.85	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 3/16/2009 Sample Size: 0.104 g
 Date Received: 3/19/2009 Sample Type: Head
 Date Completed: 3/23/2009 Hair Color:
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	37.4	4- 30
Ca/P	8.31	1- 12
Na/K	7.31	0.5- 10
Zn/Cu	7.89	4- 20
Zn/Cd	441	> 800

Health history for Hair Test 267

1) What are your current symptoms and health history?

Severe GI issues, IBS, sluggish bowel, history of intestinal obstruction requiring hospitalization (aluminum containing dextrose IV drips)

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

No amalgams. No dental work.

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

No amalgams. No dental work.

4) What dentistry did your mother have at any time before or during pregnancy?

Unsure. Mother born in 1912.

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

Annual flu shot. Pot pourri of travel shots throughout life. Born in 1937, all childhood vax for that era.

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

Premarin. Diuretic possibly. Valtrex.

7) What is your age, height and weight?

71, 5'4", 135 lbs.

8) Other information you feel may be relevant?

Hair sample was taken from bottom of back of head/nape of neck area. Do use Clairol Instincts Hair color/dark but only on top of head, not over entire scalp. When rinsing, dye does of course wash through rest of hair...but samples were not actually "treated". Is this a concern? Did not wash hair the day of sample. I painted, one year ago, entire house and guest houses, interior/exterior by myself with paint from Lowe's. This was not non-toxic eco paint of course. Daily, extensive exposure to paint and fumes. Use small soaking hot tub daily for past decade or more, use bromine as antibacterial agent. I often swim in chlorinated pool. Lifelong history of gastrointestinal dysfunction. Irritable Bowel Syndrome. Sluggish bowel. Intestinal obstructions. History of childhood illnesses. Peritonitis. Long term childhood hospitalizations. Lifelong struggle with swelling in legs, primarily feet and ankles. Lifelong history of adrenal insufficiency by observation only. No labs. Hypoglycemia. Hypothyroidism via observation only. Vulnerable to cold, etc. Very susceptible to respiratory infection. History of autonomic nervous system dysfunction. Easily startled. Stress induced gastrointestinal dysfunction results in severe, sometimes life threatening intestinal obstruction. More recently, during past year, have developed voice tremor. Long term history of photophobia, eye floaters. Strong, active, fully functional. Not physically compromised in any way. Gastrointestinal dysfunction and leg swelling are the primary and only debilitating health complaints when they occur.

9) What is your location - city & country (so that we can learn where certain toxins are more prevalent)?

Florida, rural, beach. Born in upstate New York. Lived in the northeast as a child. Has spent adolescence and adult life in Florida in relatively pristine, pollution free area, air cleared by ocean breezes.