

HAIR ELEMENTS



PATIENT: Number 393
SEX: Female
AGE: 36
LOCATION: California Bay, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.2	< 7.0		
Antimony	< 0.01	< 0.050		
Arsenic	0.030	< 0.060		
Barium	4.9	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.048	< 2.0		
Cadmium	0.020	< 0.050		
Lead	0.51	< 0.60		
Mercury	0.06	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.085	< 0.060		
Nickel	0.28	< 0.30		
Silver	0.04	< 0.15		
Tin	0.08	< 0.30		
Titanium	0.43	< 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	1690	300- 1200					
Magnesium	360	35- 120					
Sodium	160	20- 250					
Potassium	27	8- 75					
Copper	93	11- 37					
Zinc	200	140- 220					
Manganese	0.20	0.08- 0.60					
Chromium	0.52	0.40- 0.65					
Vanadium	0.057	0.018- 0.065					
Molybdenum	0.037	0.020- 0.050					
Boron	1.5	0.25- 1.5					
Iodine	0.22	0.25- 1.8					
Lithium	0.009	0.007- 0.020					
Phosphorus	243	150- 220					
Selenium	1.3	0.55- 1.1					
Strontium	7.3	0.50- 7.6					
Sulfur	48300	44000- 50000					
Cobalt	0.011	0.005- 0.040					
Iron	9.2	7.0- 16					
Germanium	0.037	0.030- 0.040					
Rubidium	0.024	0.007- 0.096					
Zirconium	0.13	0.020- 0.42					

SPECIMEN DATA

COMMENTS:

Date Collected: **5/31/2010** Sample Size: **0.198 g**
 Date Received: **6/4/2010** Sample Type: **Head**
 Date Completed: **6/6/2010** Hair Color: **Black**
 Client Reference: **1233410** Treatment:
 Methodology: **ICP-MS** Shampoo: **Trader Joes**

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	4.69	4- 30
Ca/P	6.95	1- 12
Na/K	5.93	0.5- 10
Zn/Cu	2.15	4- 20
Zn/Cd	> 999	> 800

1) What are your current symptoms and health history?

- Currently feel fine physically.
- Easily upset when things don't go my way.
- Some short term memory lapses.

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

- Six amalgams first one started soon after adult teeth grew in, last one placed when in high school.
- Wisdom teeth extracted at the age of 22

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

- All 6 original amalgams intact.

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

- Unsure.

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

- I don't have early childhood records as I was raised in Vietnam until the age of 5.

- Travel shots in 2002 and flu shots for the past 9 years.

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

- Women's multi vitamin: <http://www.vitacost.com/Rainbow-Light-Womens-Nutritional-System-180-Tablets>

7) What is your age height and weight?

- Age 36, Height 5'-4", Weight 115lbs

8) Other information you feel may be relevant?

- Vegetarian for 10 years.

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

- Lived in southern NH for 5 years before moving in 2006.
- California south bay area for past year.