

HAIR ELEMENTS



PATIENT: Number 316
SEX: Female
AGE: 70
LOCATION: North of Lake Erie in the country.

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.6	< 7.0		
Antimony	0.017	< 0.050		
Arsenic	0.028	< 0.060		
Barium	4.1	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.011	< 2.0		
Cadmium	0.098	< 0.050		
Lead	1.7	< 0.60		
Mercury	0.10	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.026	< 0.060		
Nickel	0.31	< 0.30		
Silver	0.02	< 0.15		
Tin	0.14	< 0.30		
Titanium	0.60	< 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	2810	300- 1200					
Magnesium	190	35- 120					
Sodium	95	20- 250					
Potassium	74	8- 75					
Copper	24	11- 37					
Zinc	140	140- 220					
Manganese	4.5	0.08- 0.60					
Chromium	0.69	0.40- 0.65					
Vanadium	0.032	0.018- 0.065					
Molybdenum	0.045	0.020- 0.050					
Boron	0.60	0.25- 1.5					
Iodine	0.81	0.25- 1.8					
Lithium	0.020	0.007- 0.020					
Phosphorus	169	150- 220					
Selenium	1.2	0.55- 1.1					
Strontium	6.6	0.50- 7.6					
Sulfur	49500	44000- 50000					
Cobalt	0.022	0.005- 0.040					
Iron	15	7.0- 16					
Germanium	0.039	0.030- 0.040					
Rubidium	0.040	0.007- 0.096					
Zirconium	0.039	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 10/27/2009 Sample Size: 0.199 g
 Date Received: 11/5/2009 Sample Type: Head
 Date Completed: 11/10/2009 Hair Color: Brown
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Pantene

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	14.8	4- 30
Ca/P	16.6	1- 12
Na/K	1.28	0.5- 10
Zn/Cu	5.83	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 316

1) What are your current symptoms and health history?

Difficulty breathing, low hemoglobin.

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

Amalgams removed 16 years ago. New amalgams added 15 months ago. I complained and some was removed. Complicated bridge structures. Was taking regular IV EDTA chelation for heart problems for 15 years, but quit last year.

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

There are 2 new root canals, done by an endodontist.

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

No idea.

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

One flu shot about 17 years ago. Over half a century for anything else.

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

Cytomel, dessicated thyroid, vitamins E,C,B`s, CoQ10, Ca/Mg/Zn mix, and took ALA last year occasionally, before reading these lists.

7) Other information you feel may be relevant?

Presently out of breath, and not able to do physical activities as needed without frequent resting.

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

North of Lake Erie in the country.