

HAIR ELEMENTS



PATIENT: Number 279
SEX: Female
AGE: 31
LOCATION: Charlotte, NC, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE		
			68 th	95 th	
Aluminum	2.3	< 7.0			
Antimony	0.016	< 0.050			
Arsenic	0.029	< 0.060			
Barium	0.97	< 2.0			
Beryllium	< 0.01	< 0.020			
Bismuth	0.017	< 2.0			
Cadmium	< 0.009	< 0.050			
Lead	0.06	< 0.60			
Mercury	0.09	< 0.80			
Platinum	< 0.003	< 0.005			
Thallium	< 0.001	< 0.002			
Thorium	< 0.001	< 0.002			
Uranium	0.002	< 0.060			
Nickel	0.04	< 0.30			
Silver	< 0.006	< 0.15			
Tin	0.08	< 0.30			
Titanium	0.20	< 0.70			
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	418	300 - 1200					
Magnesium	160	35 - 120					
Sodium	79	20 - 250					
Potassium	31	8 - 75					
Copper	8.7	11 - 37					
Zinc	180	140 - 220					
Manganese	0.18	0.08 - 0.60					
Chromium	0.36	0.40 - 0.65					
Vanadium	0.018	0.018 - 0.065					
Molybdenum	0.025	0.020 - 0.050					
Boron	0.47	0.25 - 1.5					
Iodine	0.25	0.25 - 1.8					
Lithium	0.004	0.007 - 0.020					
Phosphorus	148	150 - 220					
Selenium	0.99	0.55 - 1.1					
Strontium	1.8	0.50 - 7.6					
Sulfur	44700	44000 - 50000					
Cobalt	0.004	0.005 - 0.040					
Iron	5.8	7.0 - 16					
Germanium	0.027	0.030 - 0.040					
Rubidium	0.026	0.007 - 0.096					
Zirconium	0.049	0.020 - 0.42					

SPECIMEN DATA

COMMENTS: 1187766

Date Collected: 4/14/2009

Date Received: 4/23/2009

Date Completed: 4/28/2009

Client Reference:

Methodology: ICP-MS

Sample Size: 0.197 g

Sample Type: Head

Hair Color:

Treatment:

Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	2.61	4 - 30
Ca/P	2.82	1 - 12
Na/K	2.55	0.5 - 10
Zn/Cu	20.7	4 - 20
Zn/Cd	> 999	> 800

Health history

1) What are your current symptoms and health history?

Developed Multiple Chemical Sensitivities about 5 months ago. Also have Leaky Gut and delayed food sensitivities. Symptoms range from headaches, numbness in head and face, brain fog, fatigue, burning in lungs, neuropathy in hands, feet, and bladder. Previously somewhat healthy although caught frequent viruses & had allergies and mild asthma.

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

Braces age 13-14. Wisdom teeth removed 14 years ago - age 17. First root canals also 14 years ago due to accident, then bridgework placed. Amalgam placed around age 19. 2 more root canals in past 4 years w/ 2 porcelain fused to metal crowns.

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

2 crowns w/ root canals underneath, one amalgam filling, one bridge with one root canal tooth underneath. One crown is broken with exposed metal. Dental cleanup not yet started.

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)?

Unsure - whatever was required when I was a child between 1977-1990. Two flu shots approx. 9-11 years ago.

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

Varied too much to list. I do supplement Magnesium, Vit. C, and Selenium, probiotics, and sometimes take a multi-v powder.

7) What is your age, height and weight?

31, 5'6", 116 lbs

8) Other information you feel may be relevant?

I first got sick from an adverse reaction to Cipro 7 months ago. Then chemical sensitivities started shortly thereafter and were exacerbated by hair dye and moving to a newly constructed work location. I do have the exposed, broken metal crown - not sure if metal from that is affecting me.

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

Charlotte, NC