

HAIR ELEMENTS



PATIENT: Number 498
SEX: Female
AGE: 28
LOCATION: Indianapolis, IN, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	10	< 7.0		
Antimony	0.040	< 0.050		
Arsenic	0.018	< 0.060		
Barium	4.1	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.10	< 2.0		
Cadmium	0.030	< 0.050		
Lead	2.4	< 0.60		
Mercury	0.18	< 0.80		
Platinum	0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.025	< 0.060		
Nickel	0.65	< 0.30		
Silver	0.68	< 0.15		
Tin	1.9	< 0.30		
Titanium	0.64	< 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	6290	300- 1200					
Magnesium	220	35- 120					
Sodium	64	20- 250					
Potassium	21	8- 75					
Copper	35	11- 37					
Zinc	200	140- 220					
Manganese	0.36	0.08- 0.60					
Chromium	0.42	0.40- 0.65					
Vanadium	0.074	0.018- 0.065					
Molybdenum	0.050	0.020- 0.050					
Boron	1.6	0.25- 1.5					
Iodine	15	0.25- 1.8					
Lithium	0.013	0.007- 0.020					
Phosphorus	159	150- 220					
Selenium	0.61	0.55- 1.1					
Strontium	7.0	0.50- 7.6					
Sulfur	43000	44000- 50000					
Cobalt	0.044	0.005- 0.040					
Iron	22	7.0- 16					
Germanium	0.033	0.030- 0.040					
Rubidium	0.014	0.007- 0.096					
Zirconium	0.63	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 6/9/2011 Sample Size: 0.201 g
 Date Received: 6/14/2011 Sample Type: Head
 Date Completed: 6/15/2011 Hair Color: Brown
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Traders Joes

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	28.6	4- 30
Ca/P	39.6	1- 12
Na/K	3.05	0.5- 10
Zn/Cu	5.71	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 498

1) What are your current symptoms and health history?

- Current symptoms: Hyperactivity, Flu-like symptoms w/o fever, Chronic Fatigue, Adrenal fatigue, Hypothyroid, Amenorrhea (no period), Neck pain (stiff neck), General malaise.
- Health History – generally thought to be extremely healthy until 18. Bulimic at age 18 for many years. Anorexic from 20 – 22. Hyperactive/Restless legs starting around age 20 – gradually worsening until 28. Excessive exercising to compensate for restless legs. Continued disordered eating habits/patterns. Periodic depression.
- Spent 2009 in Europe – industrial, urban area with no green. Highly toxic urban area. Developed strange flu-like illness that re-occurred once every 6 weeks – may have been viral, may have been due to inhalation of all the pollutants. (Was running every day in the city – for 1 hour or more longer). Developed a constant cough and constant cold/allergy-type symptoms – all of which resolved themselves when I returned to the U.S.
- Spent 3 weeks in N. Africa.
- Returned to US in spring 2009.
- Digestive issues, always a problem, began to worsen. Started having painful “attacks” after eating – marked by hysteria, weeping, extreme pain in upper abdomen. Pain would be relieved by not eating for 1-3 days following an attack. These “attacks” continued for an entire year (Dec 2009-Nov 2011). Saw many doctors, tried many things to no avail. Started chelation in November 2011 - **Have not had a single attack since that time.**
- Have been chelating w/ DMSA since Nov 2011. Have completed 4 rounds w/ ALA. Just switched to DMPS.

**Hair sample was taken from hair grown out long BEFORE chelation was started (I have long hair).

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

One small amalgam filling, put in in 1998, replaced with white resin in 2002. Wisdom teeth removed in 2001.

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

I have one small filling, a white resin filling. It was put in 2002.

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

In 1975-76 she had one amalgam filling and bonding of her front (broken) tooth. I was born in 1982. She didn't have any other dental treatment until 87.

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

I received all the recommended vaccinations for children – not flu shots, but MMR, etc. Before traveling overseas in 2005, I had recommended vaccines, I think they were Hep A and Hep B. In 2009, before going overseas, I had another Hep A and a Hep B.

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

No supplements, No medications at the time or before the sample.

7) Other information you feel may be relevant?

Have worn disposable contact lenses since 1997 – I'm assuming I was using probably always using a thimerosal solution...

Sex: F Age: 28 Height: 5'7"

Weight: 110 lbs.

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

Indianapolis, IN, USA