

Toxic & Essential Elements; Hair

TOXIC METALS			PERCENTILE		
		RESULT µg/g	REFERENCE INTERVAL	68 th	95 th
Aluminum (Al)		4.9	< 7.0	A1298C cap	
Antimony (Sb)		< 0.01	< 0.050		
Arsenic (As)		0.025	< 0.060		
Barium (Ba)		1.5	< 2.0	+ Pot. Citrate	
Beryllium (Be)		< 0.01	< 0.020		
Bismuth (Bi)		0.097	< 2.0		
Cadmium (Cd)		0.025	< 0.050	+ Metal Away + EDTA soap	
Lead (Pb)		0.41	< 0.60		
Mercury (Hg)		0.17	< 0.80		
Platinum (Pt)		< 0.003	< 0.005		
Thallium (Tl)		0.001	< 0.002	+ PS/PE/RE + DHA	
Thorium (Th)		< 0.001	< 0.002		
Uranium (U)		0.028	< 0.060		
Nickel (Ni)		0.46	< 0.30	+ neem + SDE	
Silver (Ag)		0.67	< 0.15	+ Vit C 0.5g	
Tin (Sn)		0.69	< 0.30		
Titanium (Ti)		0.60	< 0.70		
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS			PERCENTILE					
		RESULT µg/g	REFERENCE INTERVAL	2.5 th	16 th	50 th	84 th	97.5 th
Calcium (Ca)		755	300- 1200					
Magnesium (Mg)		23	35- 120					+ Mag Citrate
Sodium (Na)		33	20- 250					
Potassium (K)		50	8- 75					
Copper (Cu)		34	11- 37					
Zinc (Zn)		190	140- 220					
Manganese (Mn)		0.20	0.08- 0.60					
Chromium (Cr)		0.39	0.40- 0.65					
Vanadium (V)		0.021	0.018- 0.065					
Molybdenum (Mo)		0.042	0.020- 0.050					
Boron (B)		1.1	0.25- 1.5					
Iodine (I)		1.4	0.25- 1.8					
Lithium (Li)		0.008	0.007- 0.020					Be Calm Sp
Phosphorus (P)		161	150- 220					
Selenium (Se)		0.81	0.55- 1.1					
Strontium (Sr)		0.88	0.50- 7.6					
Sulfur (S)		46600	44000- 50000					
Cobalt	1 drop hydrocol +	0.14	0.005- 0.040					Be
Iron	1 drop ascorbic (A) B12	10	7.0- 16					Be Lithium Stress in blood
Germanium (Ge)		0.032	0.030- 0.040					
Rubidium (Rb)		0.072	0.007- 0.096					
Zirconium (Zr)		0.77	0.020- 0.42					

SPECIMEN DATA	
COMMENTS:	
Date Collected: 06/15/2013	Sample Size: 0.201 g
Date Received: 06/20/2013	Sample Type: Head
Date Completed: 06/24/2013	Hair Color: Brown
Methodology: ICP/MS	Treatment:
	Shampoo: Fructis

RATIOS		
ELEMENTS	RATIOS	RANGE
Ca/Mg	32.8	4- 30
Ca/P	4.69	1- 12
Na/K	0.66	0.5- 10
Zn/Cu	5.59	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 801

1) What are your current symptoms and health history?

I have Addison's disease (autoimmune—adrenal glands don't work) since I was 12. I've also had my appendix removed—16 years old. The reason I am pursuing this issue because 2 years ago (at age 27), I took a round of antibiotics (Flagyl, 7 day course) for a random bout of BV and, at the same time, got a flu shot (since it was that time of year). Since then I have had chronic vaginal infections—mostly yeast, but now I'm having problems with BV too. Prior to this, I never had one yeast infection EVER. Being on a strict candida diet, using probiotics and antifungals, etc are not doing the trick. Want to see if mercury toxicity or whatever could be related.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) I've had my wisdom teeth removed, had braces as a teen, and had 1 cavity filled (I would assume amalgam).

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

4) What dentistry did your mother have at any time before or during pregnancy? Nothing I'm aware of

5) What vaccinations have you had and when (including flu and especially travel shots)? I've had the flu shot—that may be what is causing my problems with yeast infections, or it may not be—I also took a round of antibiotics at the time. However, I would think after 2 years and tons of probiotics, this issue would go away.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken: Hydrocortisone, fludrocortisone (both steroids for Addison's disease), vitamin A, C, D & E, Calcium/Magnesium/Zinc, Milk Thistle, Wellbutrin, buspar, garlic supplements

7) Other information you feel may be relevant? I am wondering if some toxicity (I figured mercury though that looks low?) may be causing my chronic vaginal infections. Also, at around the same time the infections started, I had some concerning neuro symptoms that resembled something like MS—fatigue, muscle weakness, dizziness, weird sensations (tingling/burning in extremities), and weird visual disturbances. This has mostly gone away but I'll get the occasional weird thing from time to time.

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