

HAIR ELEMENTS



PATIENT: Number 400
SEX: Male
AGE: 35
LOCATION: Lincoln, NE but travel all over

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.3	< 7.0		
Antimony	0.039	< 0.066		
Arsenic	0.056	< 0.080		
Barium	0.48	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.024	< 2.0		
Cadmium	0.024	< 0.065		
Lead	0.41	< 0.80		
Mercury	0.15	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.017	< 0.060		
Nickel	0.08	< 0.20		
Silver	0.05	< 0.08		
Tin	0.10	< 0.30		
Titanium	0.49	< 0.60		
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	308	200- 750					
Magnesium	67	25- 75					
Sodium	150	20- 180					
Potassium	150	9- 80					
Copper	140	11- 30					
Zinc	180	130- 200					
Manganese	0.11	0.08- 0.50					
Chromium	0.36	0.40- 0.70					
Vanadium	0.028	0.018- 0.065					
Molybdenum	0.025	0.025- 0.060					
Boron	2.4	0.40- 3.0					
Iodine	0.26	0.25- 1.8					
Lithium	0.016	0.007- 0.020					
Phosphorus	209	150- 220					
Selenium	1.2	0.70- 1.2					
Strontium	0.75	0.30- 3.5					
Sulfur	47900	44000- 50000					
Cobalt	0.003	0.004- 0.020					
Iron	14	7.0- 16					
Germanium	0.036	0.030- 0.040					
Rubidium	0.15	0.011- 0.12					
Zirconium	0.12	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 7/2/2010	Sample Size: 0.202 g			Ca/Mg	4.6	4- 30
Date Received: 7/6/2010	Sample Type: Head			Ca/P	1.47	0.8- 8
Date Completed: 7/7/2010	Hair Color: Brown			Na/K	1	0.5- 10
Client Reference: 1231115	Treatment:			Zn/Cu	1.29	4- 20
Methodology: ICP-MS	Shampoo: Ivory Soap			Zn/Cd	> 999	> 800
V010.08						

Health history for hair test 400

- 1) **What are your current symptoms and health history?** Fatigue, muscle soreness, joint pain, anxiety, on days when working out feels great, other days feels not quite right, depression, mild ocd symptoms, candida, mood swings, low libido, erectile dysfunction, stuffy nose all the time, inability to concentrate
- 2) **Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)** wisdom teeth not removed, no root canals, braces from age 10 to 15 yrs old, first amalgam at age 22, 10 total amalgam fillings still in mouth.
- 3) **What dental work do you currently have in place? What part of the dental cleanup have you completed?** none
- 4) **What dentistry did your mother have at any time before or during pregnancy?** unknown
- 5) **What vaccinations have you had and when (including flu and especially travel shots)?** all childhood vacs, plus two additional sets in military 1st in 1992, 2nd in 1994
- 6) **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** not sure of dosages, but had been taking-magnesium, calcium (caltrate), fish oil, flax oil, selenium, biotin, b6, b12, l carnitine, l arginine, chromium picolinate, chlorella, garlic, ginseng, p90x workout multisupplements-not sure of what is all in them, coQ10, acidophilus, DHEA, ginko biloba, vit D, Vit C
- 7) **Other information you feel may be relevant?** multiple food sensitivities as a child
- 8) **What is your location - city & country (so that we can learn where certain toxins are more prevalent).** Lincoln, Ne but travel all over, only home once every 4 weeks for about a week at a time. Most recently have been around TN, MS, VA, NC