

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.2	< 7.0		
Antimony	0.014	< 0.066		
Arsenic	0.054	< 0.080		
Barium	0.41	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.028	< 2.0		
Cadmium	0.030	< 0.065		
Lead	0.07	< 0.80		
Mercury	1.7	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.030	< 0.060		
Nickel	0.17	< 0.20		
Silver	< 0.006	< 0.08		
Tin	0.05	< 0.30		
Titanium	0.56	< 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	297	200- 750					
Magnesium	39	25- 75					
Sodium	9	20- 180					
Potassium	< 3	9- 80					
Copper	11	11- 30					
Zinc	200	130- 200					
Manganese	0.06	0.08- 0.50					
Chromium	0.31	0.40- 0.70					
Vanadium	0.010	0.018- 0.065					
Molybdenum	0.025	0.025- 0.060					
Boron	0.48	0.40- 3.0					
Iodine	0.61	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	245	150- 220					
Selenium	1.1	0.70- 1.2					
Strontium	0.31	0.30- 3.5					
Sulfur	50000	44000- 50000					
Cobalt	0.018	0.004- 0.020					
Iron	9.1	7.0- 16					
Germanium	0.033	0.030- 0.040					
Rubidium	0.005	0.011- 0.12					
Zirconium	0.038	0.020- 0.44					

SPECIMEN DATA

RATIOS

COMMENTS:

Date Collected: 10/13/2010 Sample Size: 0.202 g
 Date Received: 10/18/2010 Sample Type: Head
 Date Completed: 10/19/2010 Hair Color: Brown
 Client Reference: 1247 Treatment:
 Methodology: ICP-MS Shampoo: Castil Hand Soap

V010.08

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	7.62	4 - 30
Ca/P	1.21	0.8 - 8
Na/K	3	0.5 - 10
Zn/Cu	18.2	4 - 20
Zn/Cd	> 999	> 800

Health history for hair test 423

1. What are your current symptoms and health history? Fatigue, brain fog, body aches- had neck pain since 15 years old- recently improved with magnesium citrate supplementation, trouble waking in morning- sleep 10hours+, recurrent negative thoughts and memories, lack of optimism, low motivation, irritability, difficulty socializing- prefer to be alone or with wife and daughter, trouble understanding people's motives and social cues, unable to be in the spirit of things with a group.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Have all wisdom teeth. No root canals. No braces, only retainer at about 13 years old. 10 amalgams installed between 8 to 20 years old. All 10 amalgams removed between August and September 2010- replaced with ceramic.
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? See 2.
4. What dentistry did your mother have at any time before or during pregnancy? 2 amalgams before pregnancy. 2 amalgams removed, before pregnancy. While pregnant, she worked in a saw factory with solvents, adhesives, etc.
5. What vaccinations have you had and when (including flu and especially travel shots)? The standard vaccination routine for someone growing up in New York, USA. No flu vaccines as far as I can remember. Got travel shots in 2006- hepatitis A (2 shots), tetanus (1 shot).
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Too many to list. Tried most of the supplements recommended by Cutler in Amalgam Illness. Was feeling terrible, and was putting as much as I could in my system, without getting nausea. Currently taking: Buffered Vitamin C 1000mg per meal and 500mg at bed time, Sam-E 400mg before 1st meal, Ubiquinol 100mg with 1st meal, "DIM-D" with DIM 150mg- Calcium Glucarate 100mg- Vit D3 4000 IU, "Extend Core" Multi Vit and Mineral as directed, DHA 200mg, Pumpkin Seed Oil 1000mg.
7. What is your age, height and weight? 41, 5'-6", 185 lbs.
8. Other information you feel may be relevant? I'm including my pre and post challenge urine tests as well. Took the challenge agent (DMSA) as recommended by Cutler- every 2 hours in divided doses, instead of one dosing of 2000mg.
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Nassau County, USA