

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	15	< 7.0		
Antimony	0.033	< 0.066		
Arsenic	0.051	< 0.080		
Barium	0.59	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.011	< 2.0		
Cadmium	0.038	< 0.065		
Lead	0.87	< 0.80		
Mercury	1.1	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.014	< 0.060		
Nickel	0.20	< 0.20		
Silver	0.10	< 0.08		
Tin	0.09	< 0.30		
Titanium	0.36	< 0.60		
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	488	200- 750					
Magnesium	31	25- 75					
Sodium	26	20- 180					
Potassium	19	9- 80					
Copper	28	11- 30					
Zinc	99	130- 200					
Manganese	0.08	0.08- 0.50					
Chromium	0.49	0.40- 0.70					
Vanadium	0.045	0.018- 0.065					
Molybdenum	0.060	0.025- 0.060					
Boron	0.38	0.40- 3.0					
Iodine	1.0	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	165	150- 220					
Selenium	0.92	0.70- 1.2					
Strontium	1.4	0.30- 3.5					
Sulfur	44800	44000- 50000					
Cobalt	0.005	0.004- 0.020					
Iron	7.9	7.0- 16					
Germanium	0.030	0.030- 0.040					
Rubidium	0.016	0.011- 0.12					
Zirconium	1.7	0.020- 0.44					

SPECIMEN DATA

RATIOS

COMMENTS:

Date Collected: 12/1/2010 Sample Size: 0.201 g
 Date Received: 1/21/2011 Sample Type: Head
 Date Completed: 1/25/2011 Hair Color: Blond
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

V010.08

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	15.7	4- 30
Ca/P	2.96	0.8- 8
Na/K	1.37	0.5- 10
Zn/Cu	3.54	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 445

1) What are your current symptoms and health history? trouble sleeping

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) wisdom teeth removed at 25 yo, had 1 tooth crown, rest fine, no amalgama

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

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

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

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. Multivitaman daily for 25 yrs

7) Other information you feel may be relevant? Son an daughter meet counting rules

currently AC chelation son 1 yr

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

Northern VA, USA