

HAIR ELEMENTS



PATIENT: Hair Test 417
SEX: Female
AGE: 33
LOCATION: Charlotte VT, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.4	< 7.0		
Antimony	0.016	< 0.050		
Arsenic	0.036	< 0.060		
Barium	1.5	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.006	< 2.0		
Cadmium	< 0.009	< 0.050		
Lead	0.16	< 0.60		
Mercury	0.86	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.15	< 0.060		
Nickel	0.08	< 0.30		
Silver	0.35	< 0.15		
Tin	0.09	< 0.30		
Titanium	1.2	< 0.70		
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	492	300- 1200					
Magnesium	88	35- 120					
Sodium	39	20- 250					
Potassium	34	8- 75					
Copper	12	11- 37					
Zinc	240	140- 220					
Manganese	0.15	0.08- 0.60					
Chromium	0.37	0.40- 0.65					
Vanadium	0.043	0.018- 0.065					
Molybdenum	0.026	0.020- 0.050					
Boron	1.3	0.25- 1.5					
Iodine	2.3	0.25- 1.8					
Lithium	0.011	0.007- 0.020					
Phosphorus	131	150- 220					
Selenium	0.73	0.55- 1.1					
Strontium	15	0.50- 7.6					
Sulfur	45100	44000- 50000					
Cobalt	0.005	0.005- 0.040					
Iron	9.5	7.0- 16					
Germanium	0.020	0.030- 0.040					
Rubidium	0.041	0.007- 0.096					
Zirconium	0.052	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: **8/6/2010** Sample Size: **0.202 g**
 Date Received: **8/12/2010** Sample Type: **Head**
 Date Completed: **8/14/2010** Hair Color: **Blond**
 Client Reference: Treatment:
 Methodology: **ICP-MS** Shampoo: **Oribe**

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	5.59	4- 30
Ca/P	3.76	1- 12
Na/K	1.15	0.5- 10
Zn/Cu	20	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 417

- 1. What are your current symptoms and health history?**
Depression and anxiety, fatigue, joint pain, joint stiffness (mornings are worst), overall feeling of heaviness in body, bad low back pain, beginning of arthritis in pointer finger and thumb on both hands, frequent loose stools.
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** Wisdom teeth were removed in my late teens. No root canals, many amalgam fillings in my baby teeth, 1 amalgam filling when I did the test. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** Last amalgam filling was removed by a biological dentist in August 2010. All others were removed by a regular dentist in my teens and early 20s.
- 3. What dentistry did your mother have at any time before or during pregnancy?** Possible root canals and definitely several amalgam fillings while pregnant with me.
- 4. What vaccinations have you had and when (including flu and especially travel shots)?** Never had flu vaccines but had all the childhood vaccines.
- 5. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** Multi Vitamin (organic), Krill oil, Vit. D (1000 IU)
- 6. What is your age, height and weight?** 33 years old, 5 feet, 5 inches, 140 pounds
- 7. Other information you feel may be relevant?** I eat really well, mostly local and/or organic foods.
- 8. What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Charlotte VT