

HAIR ELEMENTS



PATIENT: Number 177
SEX: Female
AGE: 40

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.5	< 7.0		
Antimony	0.010	< 0.050		
Arsenic	0.016	< 0.060		
Beryllium	< 0.01	< 0.020		
Bismuth	0.16	< 2.0		
Cadmium	0.10	< 0.10		
Lead	0.29	< 1.0		
Mercury	< 0.03	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.003	< 0.060		
Nickel	0.13	< 0.40		
Silver	< 0.006	< 0.15		
Tin	0.07	< 0.30		
Titanium	0.36	< 1.0		
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	2570	300- 1200					
Magnesium	370	35- 120					
Sodium	130	12- 90					
Potassium	< 3	8- 38					
Copper	29	12- 35					
Zinc	250	140- 220					
Manganese	0.09	0.15- 0.65					
Chromium	0.31	0.20- 0.40					
Vanadium	0.021	0.018- 0.065					
Molybdenum	0.017	0.028- 0.056					
Boron	1.6	0.30- 2.0					
Iodine	0.29	0.25- 1.3					
Lithium	0.014	0.007- 0.023					
Phosphorus	230	160- 250					
Selenium	0.93	0.95- 1.7					
Strontium	16	0.50- 7.6					
Sulfur	46000	44500- 52000					
Barium	5.5	0.26- 3.0					
Cobalt	0.010	0.013- 0.050					
Iron	20	5.4- 14					
Germanium	0.040	0.045- 0.065					
Rubidium	0.005	0.007- 0.096					
Zirconium	0.048	0.020- 0.42					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 8/26/2007	Sample Size: 0.195 g			Ca/Mg	6.95	4- 30
Date Received: 8/30/2007	Sample Type: Head			Ca/P	11.2	1- 12
Date Completed: 9/1/2007	Hair Color:			Na/K	43.3	0.5- 10
	Treatment:			Zn/Cu	8.62	4- 20
Methodology: ICP-MS	Shampoo:			Zn/Cd	> 999	> 800
V06.99						

1) What are your current symptoms and health history? fatigue, irritability, headache, loss of appetite, cold hands and feet, disturbed circadian rhythm. history of sinus infections and difficulty fighting off common colds.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) wisdom teeth removed and 10 amalgams placed throughout 20's. wore ceramic braces as adult (age 36-38)

3) What dental work do you currently have in place? What part of the dental cleanup have you completed? 7 amalgams have been removed so far (3 left), but at the time of this hair test, 8 were still in place.

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 vaccines, occasional flu shots

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. none.

7) Other information you feel may be relevant? -

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