

# HAIR ELEMENTS



**PATIENT: Number 448**  
**SEX: Female**  
**AGE: 38**  
**LOCATION: Toronto, Ontario, Canada**

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	4.0	< 7.0		
Antimony	< 0.01	< 0.050		
Arsenic	0.060	< 0.060		
Barium	0.55	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	< 0.002	< 2.0		
Cadmium	< 0.009	< 0.050		
Lead	0.16	< 0.60		
Mercury	0.57	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.034	< 0.060		
Nickel	0.07	< 0.30		
Silver	0.02	< 0.15		
Tin	0.08	< 0.30		
Titanium	0.44	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	611	300- 1200					
Magnesium	65	35- 120					
Sodium	240	20- 250					
Potassium	48	8- 75					
Copper	14	11- 37					
Zinc	150	140- 220					
Manganese	0.08	0.08- 0.60					
Chromium	0.44	0.40- 0.65					
Vanadium	0.057	0.018- 0.065					
Molybdenum	0.036	0.020- 0.050					
Boron	1.9	0.25- 1.5					
Iodine	2.6	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	192	150- 220					
Selenium	1.6	0.55- 1.1					
Strontium	2.3	0.50- 7.6					
Sulfur	44800	44000- 50000					
Cobalt	0.010	0.005- 0.040					
Iron	4.5	7.0- 16					
Germanium	0.024	0.030- 0.040					
Rubidium	0.055	0.007- 0.096					
Zirconium	0.16	0.020- 0.42					

SPECIMEN DATA				RATIOS		
<b>COMMENTS:</b>				<b>ELEMENTS</b>	<b>RATIOS</b>	<b>EXPECTED RANGE</b>
Date Collected: 2/24/2011	Sample Size: 0.202 g			Ca/Mg	9.4	4- 30
Date Received: 3/3/2011	Sample Type: Head			Ca/P	3.18	1- 12
Date Completed: 3/6/2011	Hair Color: Brown			Na/K	5	0.5- 10
Client Reference:	Treatment:			Zn/Cu	10.7	4- 20
Methodology: ICP-MS	Shampoo: Matrix Sulfate Fr			Zn/Cd	> 999	> 800

## Health history for hair test 448

1. **What are your current symptoms and health history?** Candida....leaky gutt.(constant bloat)...chronic insomnia....neck and hip pain ( scoliosis-diagnosed right after mercury exposure).....chronic fatigue....low blood pressure.....sluggish thyroid....adrenal insufficiency..... chemical sensitivities.....food allergies...
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Wisdom have not been removed.** no extractions or root canals
3. Braces? First amalgam etc...) first amalgam....age 13 total of 8 amalgams
4. What dental work do you currently have in place? white composite
5. What part of the dental clean-up have you completed? Amalgam improper removal in 2004...
6. What dentistry did your mother have at any time before or during pregnancy? no amalgams
7. What vaccinations have you had and when (including flu and especially travel shots)? Only had childhood vaccines
8. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? taken time of hair test--vit c1000mg-5 x a day--vitb complex 50 mg--3 x day--milk thistle 250mg-6 xday--HC 10mg divided doses--selenium--200mcg 2x a day--iodoral i tab. once a day-12.5mg--omega 3-950mg-8 a day-magnesium citrate 150mg- 6x a day-zinc citrate-50 mg 3 x a day--calcium--350mg 2 once a day--chromium picolinate-200cmg--vit A-10,000-5 x a day--vit D 10.000 iu 5 x a day--Vit E 400iu--4 x a day
9. What is your age, height and weight? Age 38-height-5'2
10. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Toronto, Ontario. Canada