

Toxic Elements	Results (µg/g)	Ref Range	Within Range	Above Range	
Aluminum	40	< 7.0			Al
Antimony	0.032	< 0.066			Sb
Arsenic	0.036	< 0.080			As
Barium	1.8	< 1.0			Ba
Beryllium	< 0.01	< 0.020			Be
Bismuth	0.035	< 2.0			Bi
Cadmium	0.016	< 0.065			Cd
Lead	2.4	< 0.80			Pb
Mercury	0.64	< 0.80			Hg
Platinum	< 0.003	< 0.005			Pt
Thallium	< 0.001	< 0.002			Tl
Thorium	< 0.001	< 0.002			Th

Nutritional Elements	Results (µg/g)	Ref Range	Below Range	50 th Percentile	Above Range	
Boron	2.7	0.40- 3.0				B
Calcium	2480	200- 750				Ca
Chromium	0.38	0.40- 0.70				Cr
Copper	140	11- 30				Cu
Iron	21	7.0- 16				Fe
Magnesium	110	25- 75				Mg
Manganese	0.28	0.08- 0.50				Mn
Molybdenum	0.034	0.025- 0.060				Mo
Phosphorus	137	150- 220				P
Potassium	< 3	9- 80				K
Rubidium	0.004	0.011- 0.12				Rb
Sulfur	49400	44000- 50000				S
Selenium	0.76	0.70- 1.2				Se
Sodium	18	20- 180				Na
Strontium	4.9	0.30- 3.5				Sr
Zinc	150	130- 200				Zn

* <dl = Less than Detection Limit Comments: v10.08

Potentially Toxic Elements	Results (µg/g)	Ref Range	
Nickel	0.30	< 0.20	Ni
Silver	0.25	< 0.08	Ag
Tin	0.21	< 0.30	Sn
Titanium	0.49	< 0.60	Ti
Uranium	0.18	< 0.060	U

Other Elements	Results (µg/g)	Ref Range	
Cobalt	0.041	0.004- 0.020	Co
Germanium	0.032	0.030- 0.040	Ge
Iodine	2.5	0.25- 1.8	I
Lithium	0.005	0.007- 0.020	Li
Vanadium	0.029	0.018- 0.065	V
Zirconium	5.2	0.020- 0.44	Zr

Significant Ratios	Results	Ref Range
Ca:Mg	22.5	4- 30
Fe:Cu	0.15	0.2-1.3
Na:K	6	0.5- 10
Zn:Cu	1.07	4- 20
Zn:Cd	> 999	> 800

Health History for hair test 537

1. **What are your current symptoms and health history?** candida overgrowth, fatigue.
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** never had any amalgams or wisdom teeth removed.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** nothing.
4. **What dentistry did your mother have at any time before or during pregnancy?** she has several amalgams.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** last vaccine I had was when I was in grade 5 which was the Hep B vaccine that contained Thiromosal.
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** protein powder, zinc 50mg, selenium 400mg, vitamin d 4000iu
7. **What is your age, height and weight?** 20, 6 feet, 147 lbs
8. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Edmonton and Toronto, Canada