



SEX: Male
AGE: 40

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	8.0	< 7.0	
Antimony (Sb)	0.010	< 0.066	
Arsenic (As)	0.023	< 0.080	
Barium (Ba)	0.28	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.007	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.10	< 0.80	
Mercury (Hg)	0.56	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.003	< 0.060	
Nickel (Ni)	0.04	< 0.20	
Silver (Ag)	0.03	< 0.08	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.38	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	395	200- 750			
Magnesium (Mg)	30	25- 75			
Sodium (Na)	17	20- 180			
Potassium (K)	< 3	9- 80			
Copper (Cu)	31	11- 30			
Zinc (Zn)	220	130- 200			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.018	0.018- 0.065			
Molybdenum (Mo)	0.026	0.025- 0.060			
Boron (B)	1.1	0.40- 3.0			
Iodine (I)	0.43	0.25- 1.8			
Lithium (Li)	0.006	0.007- 0.020			
Phosphorus (P)	188	150- 220			
Selenium (Se)	0.76	0.70- 1.2			
Strontium (Sr)	1.8	0.30- 3.5			
Sulfur (S)	47900	44000- 50000			
Cobalt (Co)	0.004	0.004- 0.020			
Iron (Fe)	6.6	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.004	0.011- 0.12			
Zirconium (Zr)	0.055	0.020- 0.44			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 04/23/2014		Ca/Mg	13.2
Date Received: 04/28/2014		Ca/P	2.1
Date Completed: 04/29/2014		Na/K	5.67
Methodology: ICP/MS		Zn/Cu	7.1
Sample Size: 0.204 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:	RANGE	
Shampoo:		Ca/Mg	4- 30
		Ca/P	0.8- 8
		Na/K	0.5- 10
		Zn/Cu	4- 20
		Zn/Cd	> 800

Health history for hair test 949

History & Symptoms

reduced smell sensation beginning 2008

R hand tremor began late 2010 has remained in right hand

Fatigue, low energy, tired after sleep, anxiety, poor body temperature control mostly cold esp hands and feet, average waking temp 97-97.5

Irritability, tender throat area, tinnitus, lower leg and foot cramps, bleeding gums, poor digestion with loose or watery stools although digestion has improved

Recently diagnosed idiopathic Parkinson's by conventional neurologist

Had seen a mild improving trend through early 2014 but recent heavy increase in symptom severity esp fatigue, anxiety, low energy and tremor

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

Braces placed 2x between ages 7 and 14

4 wisdoms removed ~16yrs old

4 adult teeth removed to create room for orthodontic adjustment ~12yrs old

No root canals

3 amalgams placed ~ 13 yrs old, removed end of Nov 2013 replaced with composites by proper protocol

What dental work do you currently have in place? What part of the dental clean-up have you completed?

Only remaining work is a stainless steel permanent lower arch retainer

What dentistry did your mother have at any time before or during pregnancy?

Not certain but believe she had several amalgams in place

What vaccinations have you had and when (including flu and especially travel shots)?

Former Military member 12 years, have had most shots you can imagine including anthrax series and annual flu shot

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

On Cutler protocol at time of test for approx 5 months. 25mg DSMA to start for three months then added ALA at 25 mg.

Usual supporting supplements at AI recommended levels C, E, MAGNESIUM, ZINC, Q10, TAURINE, GLYCINE, SILYMARIN, B100, ADRENERGIZE

What is your age, height and weight?

40yr old male, 6'2", 185lbs

Other information you feel may be relevant?

Mother deceased from dementia, with blood sugar and thyroid issues

Military industrial exposure

Lived in high pesticide use area from 2006--2008 (Central Valley California)

2 parasite tests negative

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

New Jersey, USA