



SEX: Male
AGE: 52

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.6	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.076	< 0.080	
Barium (Ba)	0.22	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.012	< 2.0	
Cadmium (Cd)	0.009	< 0.065	
Lead (Pb)	0.25	< 0.80	
Mercury (Hg)	0.17	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.009	< 0.060	
Nickel (Ni)	0.23	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.27	< 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)	220	200- 750	
Magnesium (Mg)	20	25- 75	
Sodium (Na)	13	20- 180	
Potassium (K)	3	9- 80	
Copper (Cu)	11	11- 30	
Zinc (Zn)	330	130- 200	
Manganese (Mn)	0.05	0.08- 0.50	
Chromium (Cr)	0.36	0.40- 0.70	
Vanadium (V)	0.017	0.018- 0.065	
Molybdenum (Mo)	0.024	0.025- 0.060	
Boron (B)	0.07	0.40- 3.0	
Iodine (I)	0.96	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	144	150- 220	
Selenium (Se)	0.69	0.70- 1.2	
Strontium (Sr)	0.44	0.30- 3.5	
Sulfur (S)	50400	44000- 50000	
Cobalt (Co)	0.005	0.004- 0.020	
Iron (Fe)	4.1	7.0- 16	
Germanium (Ge)	0.025	0.030- 0.040	
Rubidium (Rb)	0.003	0.011- 0.12	
Zirconium (Zr)	0.30	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 03/08/2015		Ca/Mg	11
Date Received: 03/12/2015		Ca/P	1.53
Date Completed: 03/14/2015		Na/K	4.33
Methodology: ICP/MS		Zn/Cu	30
Sample Size: 0.202 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Gray	Treatment:		
Shampoo: Dove Anti Dandruff			
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 1067

1. What are your current symptoms and health history. ***I was diagnosed with Parkinsons in May of 2012. I saw 2 different neurologists and took all the standard drugs for Parkinsons. None of them made any difference in my symptoms. The last neurologist I saw has diagnosed me as having PSP (progressive supranuclear palsey). In October of 2014, I saw a holistic doctor who suggested that I might be suffering from mercury poisoning. I stopped taking all perscription meds right away, and saw no difference in my symptoms. Some of them actually got better. My current symptoms are: extreme stiffness and rigidity on the left side of my body, tremors and loss of fine motor functioning in my left hand, extreme anxiety, loss of smell, auditory processing issues. Social withdraw, short term memory loss, impairment of executive functioning***
1. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) ***First Amalgam: 8/2008, root canal with amalgam: 12/2008, second amalgam: 1/2012. Wisdom teeth removed during teenage years***
2. What dental work do you currently have in place? What part of the dental clean-up have you completed? ***Both amalgams removed safely in 12/2014. Root canal tooth extracted. no implant (yet)***
3. What dentistry did your mother have at any time before or during pregnancy? ***unknown***
4. What vaccinations have you had and when (including flu and especially travel shots)? ***regular annual flu vaccines until 2013. None since then***
5. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? at time of test: ***1 multi-vitamin, 2000iu D3, 100mg ubiquinol, 450mg super OPC+, 250mg Citicoline, 600mg Omega3 fish oil, 1000mcg b-12, 50mg zinc, 250mg magnesium, 500mg "raw' vitamin C, 300mcg Selenium, 500mg "Adrenal Health". Prior to test I had been taking chlorella and ALA-R, but stopped***
6. What is your age, height and weight? ***52 year old Male. Weight 190 pounds***
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) ***Philadelphia PA area***