



SEX: Male
AGE: 48

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	7.7	< 7.0	
Antimony (Sb)	0.023	< 0.066	
Arsenic (As)	0.038	< 0.080	
Barium (Ba)	0.90	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.045	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.10	< 0.80	
Mercury (Hg)	0.42	< 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)	0.08	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.13	< 0.30	
Titanium (Ti)	0.13	< 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)	559	200- 750			
Magnesium (Mg)	36	25- 75			
Sodium (Na)	140	20- 180			
Potassium (K)	20	9- 80			
Copper (Cu)	15	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.17	0.08- 0.50			
Chromium (Cr)	0.36	0.40- 0.70			
Vanadium (V)	0.027	0.018- 0.065			
Molybdenum (Mo)	0.035	0.025- 0.060			
Boron (B)	2.4	0.40- 3.0			
Iodine (I)	1.3	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	163	150- 220			
Selenium (Se)	0.73	0.70- 1.2			
Strontium (Sr)	1.2	0.30- 3.5			
Sulfur (S)	46300	44000- 50000			
Cobalt (Co)	0.008	0.004- 0.020			
Iron (Fe)	6.8	7.0- 16			
Germanium (Ge)	0.030	0.030- 0.040			
Rubidium (Rb)	0.038	0.011- 0.12			
Zirconium (Zr)	0.15	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 05/09/2015	Sample Size: 0.147 g	Ca/Mg	15.5	4- 30
Date Received: 05/15/2015	Sample Type: Head	Ca/P	3.43	0.8- 8
Date Completed: 05/18/2015	Hair Color: Brown	Na/K	7	0.5- 10
Methodology: ICP/MS	Treatment: Dye	Zn/Cu	12	4- 20
	Shampoo: Mild	Zn/Cd	> 999	> 800

Health history for hair test 1098

What are your current symptoms and health history? Currently I am reasonably healthy. For most of my life I have suffered from bad allergies, migraine headaches, and depression.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Wisdom teeth not removed. No root canal or braces. Amalgams were put in during childhood and early teens.

What dental work do you currently have in place? What part of the dental clean-up have you completed? Currently one temporary crown is in place.

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

What vaccinations have you had and when (including flu and especially travel shots)? Just usual childhood vaccinations in 1960s/70s. Had a couple of flu shots a few years ago.

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Vitamin C, 1000 mg/day.

What is your age, height and weight? Age - 49; height - 5'7"; weight - 175 lbs.

Other information you feel may be relevant? N/A.

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