



SEX: Male  
AGE: 50

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	6.4	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.066	< 0.080	
Barium (Ba)	0.14	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.44	< 0.80	
Mercury (Hg)	0.58	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	< 0.001	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.19	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	233	200- 750			
Magnesium (Mg)	10	25- 75			
Sodium (Na)	330	20- 180			
Potassium (K)	130	9- 80			
Copper (Cu)	9.4	11- 30			
Zinc (Zn)	150	130- 200			
Manganese (Mn)	0.07	0.08- 0.50			
Chromium (Cr)	0.44	0.40- 0.70			
Vanadium (V)	0.039	0.018- 0.065			
Molybdenum (Mo)	0.029	0.025- 0.060			
Boron (B)	1.2	0.40- 3.0			
Iodine (I)	0.19	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	130	150- 220			
Selenium (Se)	0.79	0.70- 1.2			
Strontium (Sr)	0.29	0.30- 3.5			
Sulfur (S)	45100	44000- 50000			
Cobalt (Co)	< 0.002	0.004- 0.020			
Iron (Fe)	4.4	7.0- 16			
Germanium (Ge)	0.030	0.030- 0.040			
Rubidium (Rb)	0.14	0.011- 0.12			
Zirconium (Zr)	0.014	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 05/21/2015		Ca/Mg	23.3
Date Received: 05/30/2015		Ca/P	1.79
Date Completed: 06/03/2015		Na/K	2.54
Methodology: ICP/MS		Zn/Cu	16
Sample Size: 0.197 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Medicated			
		<b>RANGE</b>	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## **Health history for hair test 1097**

- 1) Progressively worsening seasonal allergies, sinusitis, persistent cough, swollen tongue, dizziness, angina, heart palpitations, migraine, upper back pains, GERD symptoms, gradual loss of weight, metallic taste, salt craving, foamy urine, aching in lower back, numbness in lips, tingling in feet.
- 2) Two wisdom teeth removed (first in 1995, second in 2012), at least 5 root canals mostly from late 90s-early 2000s. First amalgam date unknown but at least 5 placed in late 90s.
- 3) 6 amalgams removed since 2013, the first 5 removed without major symptoms, removal of the sixth hidden under a palladium filling in Jan 2015 caused an avalanche of symptoms including almost continuous migraines, frequent urination, reactions to many supplements, salt craving. Two palladium crowns and one palladium filling done by same dentist remain with suspected mercury underneath. One more palladium crown has no mercury underneath. I plan to remove the remaining crowns and fillings once my health stabilizes. Angina, palpitations improved greatly since supplements, allergies and throat problems, swollen tongue, GERD symptoms improved since removal of hidden mercury, metallic taste improved by use of mouthguard, lower back ache treated by taking salt morning and evening.
- 4) Mother's pre pregnancy amalgam history unknown. Did have many amalgams probably some before and after.
- 5) Many travel vaccinations in period 1986-95.
- 6) Begin supplementation in Jan 2015. Magnesium Citrate 800, Vitamin C 800, Zinc 100, Vit E 1200, Flax Oil 3tbsp, Borage Oil 1g, Chromium 600, Adrenal cortex 50 then 100. Many other supplements tried but bad reactions inc Vitamin B50, selenium and Milk Thistle. Recently since adding TMG, became tolerant of everything except B50. Teaspoon of seasalt morning and evening.
- 7) No doctor support so I have been relying on AI, HTI and FDC group.
- 8) Osaka, Japan.