



SEX: Female
AGE: 50

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.9	< 12	
Antimony (Sb)	0.024	< 0.060	
Arsenic (As)	0.062	< 0.090	
Barium (Ba)	0.74	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.18	< 2.0	
Cadmium (Cd)	0.022	< 0.050	
Lead (Pb)	2.8	< 1.0	
Mercury (Hg)	0.10	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.12	< 0.060	
Nickel (Ni)	0.07	< 0.40	
Silver (Ag)	0.31	< 0.10	
Tin (Sn)	0.18	< 0.30	
Titanium (Ti)	0.47	< 1.3	
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)	418	475- 1500			
Magnesium (Mg)	44	45- 180			
Sodium (Na)	390	80- 450			
Potassium (K)	300	28- 160			
Copper (Cu)	22	11- 30			
Zinc (Zn)	130	130- 200			
Manganese (Mn)	0.11	0.15- 0.65			
Chromium (Cr)	0.47	0.40- 0.65			
Vanadium (V)	0.038	0.018- 0.065			
Molybdenum (Mo)	0.054	0.040- 0.10			
Boron (B)	2.0	0.40- 4.0			
Iodine (I)	0.63	0.25- 1.8			
Lithium (Li)	0.10	0.008- 0.030			
Phosphorus (P)	262	250- 500			
Selenium (Se)	0.88	0.80- 1.3			
Strontium (Sr)	1.4	1.0- 8.0			
Sulfur (S)	46000	42000- 48000			
Cobalt (Co)	0.008	0.006- 0.035			
Iron (Fe)	7.3	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.27	0.030- 0.25			
Zirconium (Zr)	0.14	0.040- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 02/26/2015	Sample Size: 0.201 g	Ca/Mg	9.5	4- 30
Date Received: 03/02/2015	Sample Type: Pubic	Ca/P	1.6	1- 12
Date Completed: 03/06/2015	Hair Color:	Na/K	1.3	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	5.91	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Hair Test 1073

Relevant info: current symptoms: fatigue, malaise, suppressed immunity.

Dental history: first amalgams placed in early teens, at the most had maybe ten, which tended to fall out and be replaced. Had amalgams for twenty five years, and numerous root fillings. Developed long-term dental and bone infections, recently this led to surgery and most of my teeth being removed. No more root canals in, and I think no metal. There are two crowns left that haven't been lifted recently. The removal of my amalgam, including metal posts, was done unsafely.

Mother's dental history - long-term presence of several amalgams.

Vaccinations - flu, Hep B/A.

Long-term antibiotic therapy in the months leading up to the test due to kidney disease and frequent UTI's. Also liothyronnine.

I have also used supplements with lithium in them, and colloidal silver.

Location: various part of the UK and South Western US.

Co-morbid conditions: Meduallary Sponge Kidney, ME, Lyme and Babseia, Blastocytosis, Severe Osteoporosis, KPU/HPU. Also treated for Hep C - a year on three shots of interferon alpha a week and daily ribavirin.