

Toxic & Essential Elements; Hair

TOXIC METALS								
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th				
Aluminum	(Al)	12	< 7.0					
Antimony	(Sb)	0.049	< 0.050					
Arsenic	(As)	0.068	< 0.060					
Barium	(Ba)	0.80	< 2.0					
Beryllium	(Be)	< 0.01	< 0.020					
Bismuth	(Bi)	0.18	< 2.0					
Cadmium	(Cd)	0.036	< 0.050					
Lead	(Pb)	0.56	< 0.60					
Mercury	(Hg)	0.11	< 0.80					
Platinum	(Pt)	< 0.003	< 0.005					
Thallium	(Tl)	0.001	< 0.002					
Thorium	(Th)	0.002	< 0.002					
Uranium	(U)	0.18	< 0.060					
Nickel	(Ni)	0.16	< 0.30					
Silver	(Ag)	0.11	< 0.15					
Tin	(Sn)	1.3	< 0.30					
Titanium	(Ti)	1.4	< 0.70					
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)	350	300- 1200					
Magnesium	(Mg)	27	35- 120					
Sodium	(Na)	42	20- 250					
Potassium	(K)	43	8- 75					
Copper	(Cu)	9.5	11- 37					
Zinc	(Zn)	150	140- 220					
Manganese	(Mn)	0.40	0.08- 0.60					
Chromium	(Cr)	0.38	0.40- 0.65					
Vanadium	(V)	0.062	0.018- 0.065					
Molybdenum	(Mo)	0.067	0.020- 0.050					
Boron	(B)	2.4	0.25- 1.5					
Iodine	(I)	5.9	0.25- 1.8					
Lithium	(Li)	0.012	0.007- 0.020					
Phosphorus	(P)	169	150- 220					
Selenium	(Se)	1.1	0.55- 1.1					
Strontium	(Sr)	2.4	0.50- 7.6					
Sulfur	(S)	47300	44000- 50000					
Cobalt	(Co)	0.010	0.005- 0.040					
Iron	(Fe)	7.4	7.0- 16					
Germanium	(Ge)	0.029	0.030- 0.040					
Rubidium	(Rb)	0.071	0.007- 0.096					
Zirconium	(Zr)	0.24	0.020- 0.42					
SPECIMEN DATA				RATIOS				
COMMENTS: Date Collected: 11/10/2011 Date Received: 11/14/2011 Date Completed: 11/17/2011 Methodology: ICP/MS Sample Size: 0.205 g Sample Type: Head Hair Color: Brown Treatment: Shampoo: Jj				ELEMENTS	RATIOS	RANGE		
				Ca/Mg	13	4- 30		
				Ca/P	2.07	1- 12		
				Na/K	0.977	0.5- 10		
				Zn/Cu	15.8	4- 20		
				Zn/Cd	> 999	> 800		

Health history for hair test 562

What are your current symptoms and health history?

Numbness on hands and feet, weak muscles, fatigue, shortness of breath. Auto immune disease symptoms started 4 years ago with I had 2 titanium implants put in. Been ill for the most part for 4 years

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

So much to write and do not remember it all. In the process of having two titanium posts removed and any other metals. I have had a lot of dental work done. Lots of root canals. Maybe 5.. Had all my fillings replaced 6 years ago. Got VERY ill afterwards and took about 6 months to recover. Was chelating with cilantro based products at the time

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

Having root canals cleaned and implants removed. Need to do a survey of mouth and see where any hidden metal may be.

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

Not sure but she had problem teeth like me

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

Flu shots about 10 years ago and all the standard vaccination.

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

Too many supplements to list

What is your age, height and weight?

52 5'5 130

Other information you feel may be relevant?

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

Orange County Ca