

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	8.9	< 7.0	
Antimony (Sb)	0.011	< 0.050	
Arsenic (As)	0.032	< 0.060	
Barium (Ba)	0.76	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.041	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.10	< 0.60	
Mercury (Hg)	1.5	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.49	< 0.060	
Nickel (Ni)	0.19	< 0.30	
Silver (Ag)	0.07	< 0.15	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.60	< 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)	634	300- 1200	
Magnesium (Mg)	54	35- 120	
Sodium (Na)	14	20- 250	
Potassium (K)	6	8- 75	
Copper (Cu)	12	11- 37	
Zinc (Zn)	160	140- 220	
Manganese (Mn)	0.25	0.08- 0.60	
Chromium (Cr)	0.34	0.40- 0.65	
Vanadium (V)	0.062	0.018- 0.065	
Molybdenum (Mo)	0.053	0.020- 0.050	
Boron (B)	1.6	0.25- 1.5	
Iodine (I)	1.3	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	167	150- 220	
Selenium (Se)	0.88	0.55- 1.1	
Strontium (Sr)	3.7	0.50- 7.6	
Sulfur (S)	46500	44000- 50000	
Cobalt (Co)	0.013	0.005- 0.040	
Iron (Fe)	5.6	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.009	0.007- 0.096	
Zirconium (Zr)	0.039	0.020- 0.42	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 11/25/2012	Sample Size: 0.201 g	Ca/Mg	11.7	4- 30
Date Received: 12/03/2012	Sample Type: Head	Ca/P	3.8	1- 12
Date Completed: 12/07/2012	Hair Color:	Na/K	2.33	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	13.3	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 706

My current symptoms:

Hair loss
excessive saliva (white) have to keep swallowing
weight loss
food allergies(allergic pretty much to everything)
tremors
anxiety
depression
chest pain
back pain
neck pain
lower back pain
headaches
floaters
tired
my fingers hurt
my body hurts
tingling and numbness all over the body
pain under ribs
constipation
abdominal pain
dizziness
brain fog
forget stuff
sometimes I feel like my head shakes inside
when I read I feel like my eyes roll
stabbing pain on my vagina
my knees sometimes give out when I walk
heart palpitations
feel really tired after walking
oily nose
breaking out a lot
my EgG was 589
I'm tired but can't sleep
a lot of gas
stomach noises
weight loss lost 40 pounds in 7 months
anal itching
my muscles jump a lot

Dental history:

Have had braces twice for three years both times
still have my wisdom teeth
I have one root canal but I have a porcelain
I did have that root canal fixed because there was an infection, and by xray we found out
that last time I had that root canal a piece of the metal they clean the tooth was broken
and I still have it in my mouth
no Amalgam

Dental work

few fillings

Not sure what kind of dentistry my mom had

Vaccinations

I had all my vaccinations when I was born(Ecuador)

when I moved to United states I had to get a few more, i was 11

When I started going to ultrasound school had to get hep B shots- 5 yrs ago

When I started working in a hospital 3 yrs ago got MMR vaccine then the year after that my titers didnt show MMR immunity so I got it again

have had a flu shot every year for 4 yrs

I do eat a lot of tilapia and tuna

When I had the hair test I was not taking any supplement or medication

27 yrs old, 5'3, 120 pounds

Born in Ecuador moved to Dallas, TX in 1996