



SEX: Female
AGE: 29

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum	(Al)	1.9	< 7.0		
Antimony	(Sb)	0.015	< 0.050		
Arsenic	(As)	0.064	< 0.060		
Barium	(Ba)	0.18	< 2.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.041	< 2.0		
Cadmium	(Cd)	0.015	< 0.050		
Lead	(Pb)	0.27	< 0.60		
Mercury	(Hg)	4.5	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	< 0.001	< 0.002		
Thorium	(Th)	0.002	< 0.002		
Uranium	(U)	0.025	< 0.060		
Nickel	(Ni)	0.06	< 0.30		
Silver	(Ag)	0.11	< 0.15		
Tin	(Sn)	0.05	< 0.30		
Titanium	(Ti)	0.23	< 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)	133	300- 1200					
Magnesium	(Mg)	360	35- 120					
Sodium	(Na)	130	20- 250					
Potassium	(K)	36	8- 75					
Copper	(Cu)	12	11- 37					
Zinc	(Zn)	200	140- 220					
Manganese	(Mn)	0.22	0.08- 0.60					
Chromium	(Cr)	0.36	0.40- 0.65					
Vanadium	(V)	0.034	0.018- 0.065					
Molybdenum	(Mo)	0.060	0.020- 0.050					
Boron	(B)	1.2	0.25- 1.5					
Iodine	(I)	0.87	0.25- 1.8					
Lithium	(Li)	0.041	0.007- 0.020					
Phosphorus	(P)	152	150- 220					
Selenium	(Se)	0.91	0.55- 1.1					
Strontium	(Sr)	0.64	0.50- 7.6					
Sulfur	(S)	49300	44000- 50000					
Cobalt	(Co)	0.034	0.005- 0.040					
Iron	(Fe)	6.0	7.0- 16					
Germanium	(Ge)	0.032	0.030- 0.040					
Rubidium	(Rb)	0.043	0.007- 0.096					
Zirconium	(Zr)	0.035	0.020- 0.42					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected:	Sample Size:	Ca/Mg	0.369	4- 30
Date Received: 2/13/2012	Sample Type: Head	Ca/P	0.875	1- 12
Date Completed: 2/15/2012	Hair Color:	Na/K	3.61	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	16.7	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 592

What are your current symptoms and health history?

swollen liver
insomnia (and resulting fatigue)
mind racing
low ceruloplasmin
low thyroid
pneumonia as child, lots of colds

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

no amalgams
wisdom teeth are out

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

na

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

very few amalgams

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

normal measles mumps rubella etc as child
a few years ago some travel, tick vaccinations

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

primarily zinc and molybdenum
numerous others, will have to compile a list

What is your age, height and weight?

age 29
height 5'7
132 lbs

Other information you feel may be relevant?

see below into post to yahoo chelation group

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

bay area, ca