Toxic & Essential Elements; Hair

TOXIC METALS

		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68th — 95th
Aluminum	(Al)	11	< 8.0	
Antimony	(Sb)	0.076	< 0.066	
Arsenic	(As)	0.032	< 0.080	
Barium	(Ba)	3.3	< 0.75	
Beryllium	(Be)	< 0.01	< 0.020	
Bismuth	(Bi)	0.14	< 2.0	
Cadmium	(Cd)	0.093	< 0.070	
Lead	(Pb)	1.1	< 1.0	
Mercury	(Hg)	0.31	< 0.40	
Platinum	(Pt)	< 0.003	< 0.005	
Thallium	(Tl)	< 0.001	< 0.002	
Thorium	(Th)	0.001	< 0.002	
Uranium	(U)	0.11	< 0.060	
Nickel	(Ni)	0.74	< 0.30	
Silver	(Ag)	0.09	< 0.20	
Tin	(Sn)	0.23	< 0.30	
Titanium	(Ti)	0.54	< 0.90	
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5th 16th 50th 84th 97.5th
Calcium	(Ca)	1610	140- 500	
Magnesium	(Mg)	450	15- 45	
Sodium	(Na)	30	18- 180	
Potassium	(K)	3	10- 150	
Copper	(Cu)	19	11- 24	
Zinc	(Zn)	310	100- 190	
Manganese	(Mn)	0.71	0.10- 0.50	
Chromium	(Cr)	0.77	0.43- 0.70	
Vanadium	(V)	2.2	0.030- 0.10	
Molybdenum	(Mo)	0.068	0.050- 0.13	
Boron	(B)	1.1	0.40- 3.5	
Iodine	(I)	3.5	0.25- 1.3	
Lithium	(Li)	0.008	0.007- 0.020	
Phosphorus	(P)	121	150- 220	
Selenium	(Se)	0.69	0.70- 1.1	
Strontium	(Sr)	8.3	0.19- 2.0	
Sulfur	(S)	47800	45500- 53000	
Cobalt	(Co)	0.18	0.005- 0.030	
Iron	(Fe)	13	7.0- 16	
Germanium	(Ge)	0.028	0.030- 0.040	
Rubidium	(Rb)	0.004	0.012- 0.16	
Zirconium	(Zr)	0.13	0.030- 1.0	

SPECIMEN DATA

COMMENTS: results checked

Date Collected: 07/25/2008
Date Received: 03/11/2013
Date Completed: 03/14/2013
Methodology: ICP/MS

Sample Size: 0.199 g
Sample Type: Head
Hair Color: Brown
Treatment:
Shampoo: Jj

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	3.58	4- 30
Ca/P	13.3	1- 12
Na/K	10	0.5- 10
Zn/Cu	16.3	4- 20
Zn/Cd	> 999	> 800

		Unit	Ref. Range
Appoint. date	11:56 AM		
Appoint. time	175959		
Appoint. No.	**R-1**		
Your reference		*Unit*	*Ref. Range*

<u>URINE</u>	**103**	µg/l	15 - 250
HPL	**6.9**	µg/dl	< 15.0
Kryptopyrrole			

Health history for hair test 878

1. What are your current symptoms and health history? brain fog, poor memory, slurred speech, learning disabilities, developmentally delayed, colitis, sleep disturbances, low blood sugar, yeast, parasites, bacteria overgrowth, food intolerances
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc…)none
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? none
4. What dentistry did your mother have at any time before or during pregnancy? orthodontics while pregnant, wisdom teeth removal pre-pregnancy
5. What vaccinations have you had and when (including flu and especially travel shots)? Mother had flu shot while pregnant, I had 2x swine flu shots age 15 months, all vaccinations to 3 years of age
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? THESE WERE NOT ALL GIVEN THE ENTIRE 3-6 MO PERIOD- mesalamine 3.75mg/day, L-Glutamine 250mg-500mg 1-2x/day, multi vitamin/mineral (childs dose),ester c bio vitamin c 550mg 2x day, nordic naturals efa (1400mg omega 3, 500mg omega 6, 600mg omega 9 1-2x/day) multi-strain probiotics 1-2 billion cfu/day, culterelle 1 biliion cfu/day, vsl#3 1/day, theanine 100mg/night, milk thistle 100mg/night, inositol at night(don't remember dose), acetyl l carnitine 125mg 2/day, lcarnitine 125 2x/day melatonin 1mg/night, 500mg GABA/night, digestive enzymes 1per meal, molybdenum 100mg/day,-WOW THIS A LOT OF STUFF- magnesium cream(don't remember dose), candidaese2-6 per day, gse 100mg 2xday, MB12 with NAC/Folic Acid, zinc sulfate 7mg 2/day, calcium 200mg/day, magnesium 300mg/day, parasite/biofilm protocol 10 days, DMAE 25mg 2x day, TMG 250mg 2x/day diflucan. nystatin, colostrum
7. What is your age, height and weight? 5 years old, 40in tall, 42lbs,
8. Other information you feel may be relevant? previously chelated with NDF plus(saw nice gains), Also liposomal glutathione(saw regression) responds to AC Chelation(current protocol-14 rounds dmsa/ala 7.5mg) mom had tattoo laser removal pre-pregnancy
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent)- Northern Los Angeles, Ca