AGE: 40

Bethel, ME 04217 USA

Toxic & Essential Elements; Hair

TOXIC METALS						
		RESULT μ9/g	REFERENCE INTERVAL	PERCENTILE 95 th		
Aluminum	(AI)	1.5	< 7.0			
Antimony	(Sb)	0.018	2 A AEA			
Arsenic	(As)	0.025				
Barium	(Ba)	3.9	< 2.0			
Beryllium	(Be)	< 0.01	< 0.020			
Bismuth	(Bi)	0.005	0 0			
Cadmium	(Cd)	< 0.009	. ^ ^ ^			
Lead	(Pb)	0.45	0.60			
Mercury	(Hg)	0.20	< 0.80			
Platinum	(Pt)	< 0.003	< 0.005	······································		
Thallium	(TI)	< 0.001	- 0 002 I	**************************************		
Thorium	(Th)	< 0.001	< 0.002	······································		
Uranium	(U)	0.001	< 0.060			
Nickel	(Ni)	0.05	< 0.30			
Silver	(Ag)	0.01	< 0.15			
Tin	(Sn)	0.08	- 0.30			
Titanium	(Ti)	0.27	< 0.70			
Total Toxic Represent	tation					

ESSENTIAL AND OTHER ELEMENTS							
		RESULT µg/g	REFERENCE INTERVAL	2.5 th 16 th 50 th 84 th 97.5 th			
Calcium	(Ca)	1550	300- 1200				
Magnesium	(Mg)	170	35- 120				
Sodium	(Na)	13	20- 250				
Potassium	(K)	6	8- 75				
Copper	(Cu)	65	11- 37				
Zinc	(Zn)	380	140- 220				
Manganese	(Mn)	0.09	0.08- 0.60				
Chromium	(Cr)	0.41	0.40- 0.65				
Vanadium	(V)	0.013	0.018- 0.065				
Molybdenum	(Mo)	0.040	0.020- 0.050				
Boron	(B)	1.7	0.25- 1.5				
lodine	(1)	0.25	0.25- 1.8				
Lithium	(Li)	0.018	0.007-0.020				
Phosphorus	(P)	153	150- 220				
Selenium	(Se)	0.82	0.55- 1.1				
Strontium	(Sr)	1.5	0.50- 7.6				
Sulfur	(S)	51500	44000- 50000				
Cobalt	(Co)	0.005	0.005- 0.040				
Iron	(Fe)	7.4	7.0- 16				
Germanium	(Ge)	0.034	0.030- 0.040				
Rubidium	(Rb)	0.006	0.007- 0.096				
Zirconium	(Zr)	0.11	0.020- 0.42				

SPECIMEN DATA		RATIOS			
COMMENTS:		ELEMENTS	RATIOS	RANGE	
		Ca/Mg	9.12	4- 30	
Date Collected: 07/19/2013	Sample Size: 0.197 g	Ca/P	10.1	1- 12	
Date Received: 07/22/2013	Sample Type: Head	Na/K	2.17	0.5- 10	
Date Completed: 07/24/2013	Hair Color: Brown	Zn/Cu	5.85	4- 20	
Methodology: ICP/MS	Treatment:	Zn/Cd	> 999	> 800	
	Shamnoo Jason	·		1	

Health history for hair test 821

- **1.What are your current symptoms and health history?** Debilitating fatigue when exposed to chemicals/fragrances, severe MCS, Brain fog when exposed to chemicals/fragrances, candida/gut pains upon eating (recently subsiding with candida diet), low basal body temperature, severe liver pain during month of July 2013
- 2.Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Early teens: 4 teeth pulled, braces, 2 amalgams filled Mid 20s: 2 amalgams filled Fall 2009: 4 amalgams removed
- **3.What dental work do you currently have in place?** What part of the dental clean-up have you completed? cavities/filled with porcelain composite
- **4.What dentistry did your mother have at any time before or during pregnancy?** Unknown, but has lots of cavities and amalgams
- **5.What vaccinations have you had and when (including flu and especially travel shots)?** Normal vaccinations as required when infant Traveled to Egypt/1995; had all required vaccinations at that time (includes malaria and others) No vaccinations after 1996 (I believe)
- **6.Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** ALA, vitamin C, B complex, selenium, fish oil, zinc, molybdenum, malic acid, CoQ10, Biotin, Pantothenic Acid, probiotic, antifungal herbs, HCL Betaine, Vitamin D, calcium, potassium iodide, milk thistle, charcoal, Super Primrose Oil, Colostrum, NAC, (recently stopped NAC and milk thistle due to sulfur/thiol reactions)
- 7. What is your age, height and weight? 40, 5"4", 125
- **8.Other information you feel may be relevant?** Active swimmer from 1990 2012 (3-4 times weekly) Recently cut out high sulfur/thiol foods in diet due to severe thiol reactions
- 9.What is your location city & country (so that we can learn where certain toxins are more prevalent). Kansas City, U.S.A.