

SEX: Male AGE: 58

Toxic & Essential Elements; Hair

TOXIC METALS						
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th		
Aluminum	(AI)	2.3	< 7.0			
Antimony	(Sb)	< 0.01	< 0.066			
Arsenic	(As)	0.017	< 0.080			
Barium	(Ba)	0.12	< 1.0			
Beryllium	(Be)	< 0.01	< 0.020			
Bismuth	(Bi)	0.043	< 2.0	•		
Cadmium	(Cd)	< 0.009	< 0.065			
Lead	(Pb)	0.10	< 0.80			
Mercury	(Hg)	0.63	< 0.80			
Platinum	(Pt)	< 0.003	< 0.005			
Thallium	(TI)	< 0.001	< 0.002			
Thorium	(Th)	< 0.001	< 0.002			
Uranium	(U)	0.005	< 0.060			
Nickel	(Ni)	0.35	< 0.20			
Silver	(Ag)	0.01	< 0.08			
Tin	(Sn)	0.04	< 0.30			
Titanium	(Ti)	0.45	< 0.60			
Total Toxic Representation	<u> </u>		<u> </u>			

ESSENTIAL AND OTHER ELEMENTS									
		RESULT	REFERENCE	PERCENTILE					
		μg/g	INTERVAL	2.5 th 16 th 50 th 84	l th 97.5 th				
Calcium	(Ca)	304	200- 750						
Magnesium	(Mg)	40	25- 75	_					
Sodium	(Na)	13	20- 180						
Potassium	(K)	12	9- 80						
Copper	(Cu)	9.8	11- 30						
Zinc	(Zn)	170	130- 200	•					
Manganese	(Mn)	0.08	0.08- 0.50						
Chromium	(Cr)	0.43	0.40- 0.70						
Vanadium	(V)	0.022	0.018- 0.065						
Molybdenum	(Mo)	0.020	0.025- 0.060						
Boron	(B)	2.7	0.40- 3.0						
lodine	(I)	1.1	0.25- 1.8						
Lithium	(Li)	< 0.004	0.007- 0.020						
Phosphorus	(P)	196	150- 220						
Selenium	(Se)	0.87	0.70- 1.2						
Strontium	(Sr)	0.27	0.30- 3.5						
Sulfur	(S)	45800	44000- 50000						
Cobalt	(Co)	0.003	0.004- 0.020						
Iron	(Fe)	6.9	7.0- 16						
Germanium	(Ge)	0.035	0.030- 0.040	•					
Rubidium	(Rb)	0.019	0.011- 0.12						
Zirconium	(Zr)	0.19	0.020- 0.44						

SPECIMEN DATA			RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE	
		Ca/Mg	7.6	4- 30	
Date Collected: 06/03/2015	Sample Size: 0.203 g	Ca/P	1.55	0.8- 8	
Date Received: 06/06/2015	Sample Type: неаd	Na/K	1.08	0.5- 10	
Date Completed: 06/12/2015	Hair Color: Black	Zn/Cu	17.3	4- 20	
Methodology: ICP/MS	Treatment:	Zn/Cd	> 999	> 800	
	Shampoo:				

Health history for hair test 1117

- 1. What are your current symptoms and health history? Chronic daily persistent pressurized frontal headache, tinnitus, neck pain, tracheal irritation, transient fatigue and flulike symptoms, cold intolerance, exercise intolerance, anxiety.
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc…) wisdom teeth removed at age 18. At least two additional extractions. Prior root canal. No history of braces. Multiple amalgams placed the earliest of which at age 9 or 10.
- 3. What dental work do you currently have in place? What part of the dental clean-up have you completed? Complete amalgam removal completed May 27, 2015. No known residual amalgam or obvious amalgam staining.
- 4. What dentistry did your mother have at any time before or during pregnancy? Unsure but likely had several amalgams.
- 5. What vaccinations have you had and when (including flu and especially travel shots)? For childhood vaccinations. Several flu shots.
- 6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Vit C 4g/ day, vit E 1g/day, Selenomethianine 200mcg, Magnesium 1g/day, zinc 50 mg per day, ubiquinol 400 mg per day, milk thistle 500 mg per day, vitamin a 10,000 international units per day, adrenal cortical extract, DHEA 50 mg twice a day, tribulus, B complex four times per day, chromium picolinate 200 Âμg with meals, omega-3 fatty acid's, borage oil 1 to 4 g per day.
- 7. What is your age, height and weight? 58 yrs, 5'9", 160lbs
- 8. Other information you feel may be relevant? For several years, I took large doses of ALA indiscriminately before I'm out of removal and prior to becoming ill.
- 9. What is your location â€" city & country (so that we can learn where certain toxins are more prevalent). Cary, North Carolina