



HAIR TEST 1120  
SEX: Female  
AGE: 54

*Toxic & Essential Elements; Hair*

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	5.0	< 7.0	
Antimony (Sb)	0.073	< 0.050	
Arsenic (As)	0.058	< 0.060	
Barium (Ba)	0.33	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	2.5	< 2.0	
Cadmium (Cd)	0.037	< 0.050	
Lead (Pb)	0.74	< 0.60	
Mercury (Hg)	0.23	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	5.4	< 0.30	
Silver (Ag)	35	< 0.15	
Tin (Sn)	1.0	< 0.30	
Titanium (Ti)	0.87	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	188	300- 1200	
Magnesium (Mg)	23	35- 120	
Sodium (Na)	310	20- 250	
Potassium (K)	390	8- 75	
Copper (Cu)	24	11- 37	
Zinc (Zn)	110	140- 220	
Manganese (Mn)	0.13	0.08- 0.60	
Chromium (Cr)	0.62	0.40- 0.65	
Vanadium (V)	0.035	0.018- 0.065	
Molybdenum (Mo)	0.033	0.020- 0.050	
Boron (B)	20	0.25- 1.5	
Iodine (I)	4.6	0.25- 1.8	
Lithium (Li)	0.043	0.007- 0.020	
Phosphorus (P)	180	150- 220	
Selenium (Se)	1.1	0.55- 1.1	
Strontium (Sr)	0.34	0.50- 7.6	
Sulfur (S)	49100	44000- 50000	
Cobalt (Co)	0.011	0.005- 0.040	
Iron (Fe)	9.0	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.42	0.007- 0.096	
Zirconium (Zr)	1.3	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS: Results checked.		ELEMENTS	RATIOS
Date Collected: 08/07/2015	Sample Size: 0.197 g	Ca/Mg	8.17
Date Received: 08/11/2015	Sample Type: Head	Ca/P	1.04
Date Completed: 08/17/2015	Hair Color:	Na/K	0.795
Methodology: ICP/MS	Treatment:	Zn/Cu	4.58
	Shampoo: Pert	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

## Health history for hair test 1120

1. What are your current symptoms and health history? Many years (40+) of Myofascial pain, burning in the soles of both feet, many years with tinnitus, migraine headaches, transient profound fatigue, narcolepsy, hormonal imbalance, adrenal and thyroid insufficiency, heat intolerance, exercise intolerant.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Multiple amalgams since childhood and several crowns as well as several prior root canals. The amalgams and crowns remain in place.
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? Multiple amalgams, several amalgams covered with crowns, several prior root canals still in place. I am in the process of dealing with this under the care of a biological dentist.
4. What dentistry did your mother have at any time before or during pregnancy? I am unsure but feel quite certain that she had amalgams in place.
5. What vaccinations have you had and when (including flu and especially travel shots)? All childhood vaccines and boosters. One or two flu shot in the past. Additional vaccines in 1983 given prior to foreign travel.
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? methadone, Effexor, adrenal cortex extract, thyroxine, 7-Keto DHEA, pregnenolone.
7. What is your age, height and weight? 54. 5'5". 155lbs
8. Other information you feel may be relevant? Most likely Chronic Lyme (equivocal bands on Western Blot). My brother was a dentist and received dental work at a very early age. I was also allowed to play with liquid mercury!!! Possible prior history of lead paint ingestion as a child. I also took high doses of ALA indiscriminately within the past year. In addition I have had six prior IV lipid treatments (PK protocol) which included IV glutathione. Prior IV oxidative treatments (Hydrogen Peroxide, high dose vitamin C with magnesium and B complex, ultraviolet blood irradiation with ozone).
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Grew up in New York 30 minutes north of New York City on the Hudson river. Now live in Cary, North Carolina.