



SEX: Male
AGE: 63

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		3.5	< 7.0	
Antimony (Sb)		< 0.01	< 0.066	
Arsenic (As)		0.025	< 0.080	
Barium (Ba)		1.3	< 1.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.21	< 2.0	
Cadmium (Cd)		< 0.009	< 0.065	
Lead (Pb)		0.13	< 0.80	
Mercury (Hg)		< 0.03	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.004	< 0.060	
Nickel (Ni)		0.14	< 0.20	
Silver (Ag)		0.03	< 0.08	
Tin (Sn)		0.24	< 0.30	
Titanium (Ti)		0.37	< 0.60	
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)		1270	200- 750		
Magnesium (Mg)		63	25- 75		
Sodium (Na)		23	20- 180		
Potassium (K)		6	9- 80		
Copper (Cu)		38	11- 30		
Zinc (Zn)		360	130- 200		
Manganese (Mn)		0.15	0.08- 0.50		
Chromium (Cr)		0.33	0.40- 0.70		
Vanadium (V)		0.019	0.018- 0.065		
Molybdenum (Mo)		0.035	0.025- 0.060		
Boron (B)		0.63	0.40- 3.0		
Iodine (I)		0.80	0.25- 1.8		
Lithium (Li)		< 0.004	0.007- 0.020		
Phosphorus (P)		149	150- 220		
Selenium (Se)		1.4	0.70- 1.2		
Strontium (Sr)		2.1	0.30- 3.5		
Sulfur (S)		49200	44000- 50000		
Cobalt (Co)		0.029	0.004- 0.020		
Iron (Fe)		9.1	7.0- 16		
Germanium (Ge)		0.029	0.030- 0.040		
Rubidium (Rb)		0.014	0.011- 0.12		
Zirconium (Zr)		0.29	0.020- 0.44		

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 08/29/2014	Sample Size: 0.195 g	Ca/Mg	20.2
Date Received: 09/18/2014	Sample Type: Head	Ca/P	8.52
Date Completed: 09/20/2014	Hair Color: Brown	Na/K	3.83
Methodology: ICP/MS	Treatment:	Zn/Cu	9.47
	Shampoo: Natural Nut	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 1012

1. What are your current symptoms and health history?

Current symptoms: muscle pain in neck, shoulders, back and hips; brain fog; frequent urination

Health history: (current age:63) vitiligo age 14; hypothyroid age 38; neuropathy age 54, arthritis age 57, Menierre's disease age 59, fibromyalgia age 62

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

15 amalgams placed age 12-13; one extraction age 14; 2 root canals age 15-27; 5 crowns over amalgam age 25-59; both root canaled teeth and amalgam removed age 59; 3 amalgam tattoos removed age 60

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

both root canaled teeth removed; all amalgam removed; dental cleanup 100%

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

amalgam

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

usual childhood vaccinations; flu shots age 35-55; no travel shots

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

Calcium	mg	424
Magnesium	mg	850
Zinc	mg	95
Manganese	mg	1
Chromium	mcg	500
Potassium	mg	37
Vitamin D3	IU	7000
Vitamin C	mg	6010
Vitamin B2 (Riboflavin)	mg	67
Vitamin B3 (Niacin)	mg	1190
Vitamin A	IU	5000
Vitamin B1 (Thiamine)	mg	126
Biotin	mcg	3000
Pantothenic Acid	mg	2600
Vitamin B6 (Pyridoxine)	mcg	5
Vitamine B6 (P5P)	mg	150

Vitamin B12	mcg	1100
Vitamin E (d-alpha)	IU	480
Folate	mg	15
Iodine	mcg	2850
Selenium	mcg	200
Choline	mg	120
Inositol	mg	250
Molybdenum	mcg	625
Boron	mg	3
TMG	mg	4100
NAC	mg	600
Taurine	mg	200
Phosphatidycholine	mg	150
Milk Thistle	mg	1020
DHEA	mg	75
CoQ10	mg	100
Curcumine phytosome	mg	1000
Folinic Acid	mcg	1600
Pregnenolone	mg	100
Adrenal Cortex	mg	150
Pancreatin	mg	160
Black Radish Root	mg	1130
Ox Bile Extract	mg	112
Glandular Concentrate	mg	330
Kelp	mg	540
Alpha Linolenic Acid	g	14
Linoleic Acid	g	4
Oleic Acid	g	4
EPA	mg	2100
DHA	mg	1500
Vitamin K	mcg	2200
D-Ribose	g	10
UC-II Collagen	mg	40

7. What is your age, height and weight?

6ft 0in. 197lbs

8. Other information you feel may be relevant?

No

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

New Jersey, USA