



SEX: Male
AGE: 63

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.7	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.018	< 0.080	
Barium (Ba)	0.51	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.005	< 2.0	
Cadmium (Cd)	0.010	< 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)	0.002	< 0.060	
Nickel (Ni)	0.09	< 0.20	
Silver (Ag)	0.03	< 0.08	
Tin (Sn)	0.07	< 0.30	
Titanium (Ti)	0.25	< 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)	808	200- 750	
Magnesium (Mg)	44	25- 75	
Sodium (Na)	20	20- 180	
Potassium (K)	3	9- 80	
Copper (Cu)	56	11- 30	
Zinc (Zn)	320	130- 200	
Manganese (Mn)	0.07	0.08- 0.50	
Chromium (Cr)	0.35	0.40- 0.70	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.11	0.025- 0.060	
Boron (B)	0.21	0.40- 3.0	
Iodine (I)	0.22	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	157	150- 220	
Selenium (Se)	0.81	0.70- 1.2	
Strontium (Sr)	0.98	0.30- 3.5	
Sulfur (S)	46200	44000- 50000	
Cobalt (Co)	0.024	0.004- 0.020	
Iron (Fe)	7.0	7.0- 16	
Germanium (Ge)	0.027	0.030- 0.040	
Rubidium (Rb)	0.007	0.011- 0.12	
Zirconium (Zr)	0.083	0.020- 0.44	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 04/10/2015	Sample Size: 0.176 g	Ca/Mg	18.4	4- 30
Date Received: 04/16/2015	Sample Type: Head	Ca/P	5.15	0.8- 8
Date Completed: 04/18/2015	Hair Color: Brown	Na/K	6.67	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	5.71	4- 20
	Shampoo: Soap Nut	Zn/Cd	> 999	> 800

Hair Test 1084

1. What are your current symptoms and health history?

Current symptoms: dizziness, off balance, muscle pains in neck, brain fog

Health history: (current age:63) vitiligo age 14; hypothyroid age 38; neuropathy age 54, arthritis age 57, Meniere'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?

Armour thyroid 90mg

Supplements:

4/8/15		Total
	Units	
Vitamin A	IU	5000
Beta Carotene	IU	25
Vitamin B1 (Thiamine)	mg	30
Vitamin B2 (Riboflavin)	mg	54
Vitamin B2 (Riboflavin 5 - Phosphate)	mg	0
Vitamin B3 (Niacin)	mg	175
Vitamin B3 (Niacinamide)	mg	75

Vitamin B5 (Pantothenic Acid)	mg	2020
Vitamine B6	mg	10
Vitamine B6 (P5P)	mg	100
Folate (L-Methylfolate)	mcg	1200
Vitamin B12 (methylcobalamin)	mcg	750
Vitamin B12 (adenosylcobalamin)	mcg	500
Biotin	mcg	0
Vitamin C	mg	4600
Vitamin D3	IU	5000
Vitamin E (d-alpha)	IU	990
Vitamin E (tocopherols)	mg	667
Calcium	mg	236
Magnesium	mg	863
Sodium	mg	140
Potassium	mg	1768
Zinc	mg	60
Chromium	mcg	600
Molybdenum	mcg	1000
Selenium	mcg	0
Iodine	mcg	0
Choline Citrate	mg	0
DHEA	mg	75
CoQ10	mg	200
Creatine	mg	725
NADH	mg	20
Phosphatidycholine	mg	1890
TMG	mg	1000
Lithium Orotate	mg	5
Damine Oxidase	HDU	0
L-Carnitine	mg	1000
Taurine	mg	250
Milk Thistle	mg	0
Curcumine phytosome	mg	1000
Probiotics	b	25
Pregnenolone	mg	100
Adrenal Cortex	mg	150
EPA	mg	1050
DHA	mg	750
Borage Oil	mg	2720
Alpha Linolenic Acid	g	0
Linoleic Acid	g	0
Oleic Acid	g	0
Milk Thistle	mg	920
Vinpocetine	mg	40
Digestive Enzymes	mg	600
Porcine Glandulars	mg	2730
D-Ribose M	g	12
Malate	mg	0

Vitamin K	mcg	2200
UC-II Collagen	mg	40

7. What is your age, height and weight?

6ft. 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