



< 5 F H9 GH. '%/++
 SEX: Male
 AGE: 60

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.5	< 7.0	
Antimony (Sb)	0.014	< 0.066	
Arsenic (As)	0.026	< 0.080	
Barium (Ba)	0.18	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.76	< 0.80	
Mercury (Hg)	0.28	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.053	< 0.060	
Nickel (Ni)	0.05	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.26	< 0.30	
Titanium (Ti)	0.18	< 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)	192	200- 750			
Magnesium (Mg)	150	25- 75			
Sodium (Na)	110	20- 180			
Potassium (K)	21	9- 80			
Copper (Cu)	47	11- 30			
Zinc (Zn)	190	130- 200			
Manganese (Mn)	0.12	0.08- 0.50			
Chromium (Cr)	0.39	0.40- 0.70			
Vanadium (V)	0.009	0.018- 0.065			
Molybdenum (Mo)	0.034	0.025- 0.060			
Boron (B)	0.42	0.40- 3.0			
Iodine (I)	0.28	0.25- 1.8			
Lithium (Li)	0.007	0.007- 0.020			
Phosphorus (P)	161	150- 220			
Selenium (Se)	0.63	0.70- 1.2			
Strontium (Sr)	0.43	0.30- 3.5			
Sulfur (S)	46800	44000- 50000			
Cobalt (Co)	0.003	0.004- 0.020			
Iron (Fe)	4.6	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.022	0.011- 0.12			
Zirconium (Zr)	0.044	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 03/01/2016	Sample Size: 0.197 g	Ca/Mg	1.28	4- 30
Date Received: 03/07/2016	Sample Type: Head	Ca/P	1.19	0.8- 8
Date Completed: 03/10/2016	Hair Color:	Na/K	5.24	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	4.04	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 1177

1. What are your current symptoms and health history?

Current symptoms: weight loss, tremors, extreme electrical sensitivity, joint pain (osteoporosis/osteopenia/ mild scoliosis).

History: 2010 Lyme diagnosed; 2012: HLA-DR Haplotype for mold susceptibility discovered; 2013 New Home with mold/ chemical exposure; 2014: mold remediations, CFL breakage exposure, 4 week bio-detox program (sauna, I-V ALA, massage, Meyer's cocktails - removed electrical sensitivity but increased chemical sensitivity, heavy metal panel done - have results but question whether it was done properly as all results were within limits), AIP diet (autoimmune protocol - heavy on animal/fish proteins - no nuts, grains, seeds);2015:alpha-gal allergy detected (allergic reaction to any mammalian meat due to bite of lone star tick- removal of mammalian meat from diet), Doctor's Data Heavy Metals panel done 4/2015 (confirmed by Genova Blood test): Mercury beyond acceptable limits, everything else within limits),fish removed from diet for 6 months, Genova Genomic Detox revealed absent GSTM1 gene;

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

No removals or root canals ever done

All amalgams removed in 1990 except one (removed in 2010)

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

2015: Deep cleaning done to address bacteriological buildup (completed)

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

Unknown - she doesn't remember, but she still has all of her amalgams

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

Typical childhood vaccinations. None since 2009 for whooping cough

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

Lauricidin, D3, Milk Thistle, NAC, saw palmetto, curcumin, digestive enzymes, acetyl and liposomal glutathione, probiotics, melatonin, l-tryptophan, magnesium carbonate

7. What is your age, height and weight?

60 years old;6' tall, 155 lbs

8. Other information you feel may be relevant?

Started eating fish (only salmon and sardines)in October 2015 as part of the LEAP 150 Diet. Still no Mammalian meat - only chicken, turkey, cornish game hens - re-testing to be done in May 2016; SIBO breath test showed overgrowth of methane producing bacteria - taking colloidal silver as interim antidote.

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

Raleigh, NC 27614