



HAIR TEST: 1201
 SEX: Female
 AGE: 46

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	55	< 12	
Antimony (Sb)	0.039	< 0.060	
Arsenic (As)	0.062	< 0.090	
Barium (Ba)	3.1	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.11	< 2.0	
Cadmium (Cd)	0.038	< 0.050	
Lead (Pb)	1.8	< 1.0	
Mercury (Hg)	0.14	< 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)	0.17	< 0.40	
Silver (Ag)	0.15	< 0.10	
Tin (Sn)	0.23	< 0.30	
Titanium (Ti)	1.0	< 1.3	
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)	834	475- 1500			
Magnesium (Mg)	310	45- 180			
Sodium (Na)	180	80- 450			
Potassium (K)	67	28- 160			
Copper (Cu)	23	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	17	0.15- 0.65			
Chromium (Cr)	0.37	0.40- 0.65			
Vanadium (V)	0.022	0.018- 0.065			
Molybdenum (Mo)	0.034	0.040- 0.10			
Boron (B)	1.6	0.40- 4.0			
Iodine (I)	0.34	0.25- 1.8			
Lithium (Li)	0.009	0.008- 0.030			
Phosphorus (P)	469	250- 500			
Selenium (Se)	0.86	0.80- 1.3			
Strontium (Sr)	2.4	1.0- 8.0			
Sulfur (S)	46000	42000- 48000			
Cobalt (Co)	0.039	0.006- 0.035			
Iron (Fe)	14	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.11	0.030- 0.25			
Zirconium (Zr)	0.099	0.040- 1.0			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 05/15/2016		Ca/Mg	2.69
Date Received: 05/19/2016		Ca/P	1.78
Date Completed: 05/20/2016		Na/K	2.69
Methodology: ICP/MS		Zn/Cu	8.7
Sample Size: 0.17 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color:	Treatment:		
Shampoo:			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Hair test 1201

1. What are your current symptoms and health history?

Nerve pain, joint pain, muscle pain, inflammation, teeth pain, coughing, fatigue, and weight gain.
Mild fatty liver disease (NASH), enlarged liver (2016), Lyme disease (2013), Babesia (2013), homozygous 2 copies positive for C677T Mutation, EBV (1987 & 2013), Total thyroidectomy (2014), Knee surgery (1989), appendectomy (1990), Asthma and sinus allergies (1976)

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

My first cavity/amalgam was in 1975 (5yo) and again 1979 (9yo), and 1985 (15yo).
My front tooth was injured in 1975- (5yo) and damaged the permanent tooth. The root never completely finished forming and I had an apexification done to save it in 1978- 8yo, then a crown in 1987 (17yo).
I had 4 teeth extracted for braces, 1982 - 12yo.
Braces for 3 years 1982-1985,
Wisdom teeth removed, 1987- 17yo,.

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

I had 1 amalgam removed in 2009 and it needs to have a crown, I have 3 more amalgams that need to be removed.
Still have permanent metal retainer on bottom teeth.

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

1 cavity before pregnancy- not amalgam- front tooth
1 tooth extraction from an abscess- they did not do root canals

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

I had all the required vaccines for school and college- diphtheria, tetanus, whooping cough, poliomyelitis, measles, mumps, and rubella.
I used to get flu shots every year 1994-2013 -but have not the last 3 years.
I have had Hepatitis B vaccine in 1994,
Pneumonia vaccine 2009 and 2016

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

Nature Throid NT 1.5 97.5MG 1 tab M-Sat, Sun 1.5 tab
Methyl B12 shots 1000mg every 4 days.
Loratadine 10mg- 1x1daily
Mucinex- 1200mg 1 x 1 to 2 daily
Vital plan brand- hpa balance 2x2 daily, Energy Boost 1x3 daily, Brain Boost 1x2 daily
Vitamin C 1000mg 1x1 daily
Inflamarest and Zyflamend- 2 to 4 tabs daily rotated (finish a bottle of each then rotate brands)
Methyl protect 1 to 2 tabs daily
Milk thistle- 1300mg 1 x daily
N-Acetyl-L-Cysteine- 600 mg x 1 daily
Dr. Ohhira's Probiotics 600million cfu, and fermented culture blend
When needed
Olive leaf extract – 350mg 1 x2 a day-(sore throat or cold onset)
Zeobind powder- ¼ tsp in liquid 1 x day b4 largest meal
Magnesium Serene- ¼ tsp mixed with water b4 bed
Alka-Seltzer Gold- 2 tabs in water
For 42 days did HCaG diet with LLMD- DesBio brand

HCaG 10 drops 3 x daily b4 meals
Desbio 6 part detox drops- rotated 10 drops x 3 daily
Essential electrolytes Nutribiotic brand- 2 tabs before bed nightly

7. What is your age, height and weight?

46 yo, 5.1, 154lbs

8. Other information you feel may be relevant?

Father heavy smoker until I was 8yo
I have highlighted, and colored my hair for 30 years
Worked with swimming pool chemicals during summers as lifeguard and pool manager for 5 summers.
(CALCIUM HYPOCHLORITE)

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

Raleigh, North Carolina, USA