

SEX: Male
AGE: 28

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.8	< 7.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.030	< 0.080	
Barium (Ba)	0.15	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.013	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.06	< 0.80	
Mercury (Hg)	0.93	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.17	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.03	< 0.08	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.40	< 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)	348	200- 750	
Magnesium (Mg)	24	25- 75	
Sodium (Na)	16	20- 180	
Potassium (K)	5	9- 80	
Copper (Cu)	14	11- 30	
Zinc (Zn)	230	130- 200	
Manganese (Mn)	0.08	0.08- 0.50	
Chromium (Cr)	0.42	0.40- 0.70	
Vanadium (V)	0.021	0.018- 0.065	
Molybdenum (Mo)	0.033	0.025- 0.060	
Boron (B)	0.30	0.40- 3.0	
Iodine (I)	1.2	0.25- 1.8	
Lithium (Li)	0.005	0.007- 0.020	
Phosphorus (P)	183	150- 220	
Selenium (Se)	1.1	0.70- 1.2	
Strontium (Sr)	0.91	0.30- 3.5	
Sulfur (S)	52200	44000- 50000	
Cobalt (Co)	0.008	0.004- 0.020	
Iron (Fe)	6.0	7.0- 16	
Germanium (Ge)	0.025	0.030- 0.040	
Rubidium (Rb)	0.008	0.011- 0.12	
Zirconium (Zr)	0.68	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/29/2014	Sample Size: 0.201 g	Ca/Mg	14.5
Date Received: 01/27/2015	Sample Type: Head	Ca/P	1.9
Date Completed: 01/31/2015	Hair Color:	Na/K	3.2
Methodology: ICP/MS	Treatment:	Zn/Cu	16.4
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

SEX: Male
 AGE: 29
 CLIENT#: 24510

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.0	< 7.0	
Antimony (Sb)	0.013	< 0.066	
Arsenic (As)	0.016	< 0.080	
Barium (Ba)	0.32	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.073	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.09	< 0.80	
Mercury (Hg)	0.57	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.22	< 0.060	
Nickel (Ni)	1.3	< 0.20	
Silver (Ag)	0.03	< 0.08	
Tin (Sn)	0.16	< 0.30	
Titanium (Ti)	0.40	< 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)	512	200- 750	
Magnesium (Mg)	38	25- 75	
Sodium (Na)	98	20- 180	
Potassium (K)	17	9- 80	
Copper (Cu)	15	11- 30	
Zinc (Zn)	230	130- 200	
Manganese (Mn)	0.19	0.08- 0.50	
Chromium (Cr)	0.40	0.40- 0.70	
Vanadium (V)	0.057	0.018- 0.065	
Molybdenum (Mo)	0.030	0.025- 0.060	
Boron (B)	0.33	0.40- 3.0	
Iodine (I)	3.3	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	165	150- 220	
Selenium (Se)	1.1	0.70- 1.2	
Strontium (Sr)	1.7	0.30- 3.5	
Sulfur (S)	47400	44000- 50000	
Cobalt (Co)	0.019	0.004- 0.020	
Iron (Fe)	19	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.023	0.011- 0.12	
Zirconium (Zr)	0.94	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 08/20/2015	Sample Size: 0.2 g	Ca/Mg	13.5
Date Received: 09/28/2015	Sample Type: Head	Ca/P	3.1
Date Completed: 10/04/2015	Hair Color:	Na/K	5.76
Methodology: ICP/MS	Treatment:	Zn/Cu	15.3
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history hair test 1054

What are your current symptoms and health history?

Severe ADD Inattentive Subtype
Memory loss
Chronic fatigue
Depression
Anxiety
Multiple random food allergies/sensitivities
Seasonal allergies
Diagnosed with stage III melanoma - successfully treated
Restless legs/Periodic limb movement disorder
Poor sleep quality
Eczema
Hypothyroidism
Homozygous MTHFR 677T

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

Braces for ~3yrs in elementary school
A couple cavity fillings - believe they are ceramic

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

None

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

2-3 amalgam fillings

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

Long history of allergy injections - last injection more than a year ago.

All standard injections given to U.S. children.

No travel injections

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

200mcg methyfolate

100mcg Levothyroxine

10mg escitalopram

20mg Adderall

Ketogenic Diet

Potassium Chloride supplementation (2000mg)

Sodium (Chicken broth) 1500-2000mg

Magnesium 250mg

L-Tyrosine 500mg

What is your age, height and weight?

29, 6' 190

Other information you feel may be relevant?

Symptoms markedly worse beginning in fall 2013, ~6 months after Melanoma surgery/recovery. Immediately following the diagnosis, I began a strict diet, low gluten, organic foods. Began supplementing with Source of Life Gold liquid multi (recently discovered it contains

ALA) and Liquid Light Fulvic Acid. No longer using either - both provided positive results initially, but as my symptoms appeared & worsened I stopped taking both.

Former multiple chelation treatments via EDTA IV, following urine provocation test. Circa 2007-2008

Osteo implants in right humerous (two plates, nine screws), and ankle (pins)

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

Dallas, Texas U.S.