



HAIR TEST: 1150
SEX: Male
AGE: 42

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.4	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.076	< 0.080	
Barium (Ba)	0.86	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.004	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.33	< 0.80	
Mercury (Hg)	0.04	< 0.80	
Platinum (Pt)	0.004	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.46	< 0.060	
Nickel (Ni)	0.04	< 0.20	
Silver (Ag)	0.65	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.46	< 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)	830	200- 750	
Magnesium (Mg)	38	25- 75	
Sodium (Na)	250	20- 180	
Potassium (K)	92	9- 80	
Copper (Cu)	38	11- 30	
Zinc (Zn)	240	130- 200	
Manganese (Mn)	0.07	0.08- 0.50	
Chromium (Cr)	0.38	0.40- 0.70	
Vanadium (V)	0.074	0.018- 0.065	
Molybdenum (Mo)	0.043	0.025- 0.060	
Boron (B)	4.3	0.40- 3.0	
Iodine (I)	2.2	0.25- 1.8	
Lithium (Li)	0.009	0.007- 0.020	
Phosphorus (P)	149	150- 220	
Selenium (Se)	0.86	0.70- 1.2	
Strontium (Sr)	3.1	0.30- 3.5	
Sulfur (S)	46400	44000- 50000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	6.2	7.0- 16	
Germanium (Ge)	0.034	0.030- 0.040	
Rubidium (Rb)	0.075	0.011- 0.12	
Zirconium (Zr)	0.023	0.020- 0.44	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 09/21/2015	Sample Size: 0.198 g	Ca/Mg	21.8	4- 30
Date Received: 09/26/2015	Sample Type: Head	Ca/P	5.57	0.8- 8
Date Completed: 09/30/2015	Hair Color:	Na/K	2.72	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	6.32	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 1150

What are your current symptoms and health history?

Fatigue, brain fog, muscle weakness, hypothyroidism, gluten intolerance, emotional lability/depression

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

Amalgams removed in late 2013-early 2014, 8 surfaces, placed between ages 7 and 14 or so (42 yrs old now). 2 wisdom teeth removed at age 23.

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

All amalgams replaced by composites.

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

Unknown.

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

MMR, TDAP, Polio. Having yearly flu shots required by job last 2 years - 1 previous flu shot in 2012.

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

NatureThroid 32.5mg 1-2 tabs/day, Vit C 1-5g/day, B-complex (100), 1-2 times/week, B-12 Methylcobalamin occasionally

What is your age, height and weight?

42 yrs old, 5'6", 135lbs

Other information you feel may be relevant?

Long history of depression and anxiety, also blood sugar problems - starting to think mercury exposure is relevant to this

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

Los Angeles, CA, U.S.A - raised in Memphis, TN, USA, later in Knoxville, TN (near Oak Ridge / Y-12 Nuclear Plant)