

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		6.1	< 7.0	
Antimony (Sb)		0.033	< 0.066	
Arsenic (As)		0.038	< 0.080	
Barium (Ba)		1.5	< 1.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		< 0.002	< 2.0	
Cadmium (Cd)		0.013	< 0.065	
Lead (Pb)		0.26	< 0.80	
Mercury (Hg)		0.49	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.076	< 0.060	
Nickel (Ni)		0.08	< 0.20	
Silver (Ag)		0.01	< 0.08	
Tin (Sn)		0.06	< 0.30	
Titanium (Ti)		0.54	< 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)		1510	200- 750	
Magnesium (Mg)		110	25- 75	
Sodium (Na)		37	20- 180	
Potassium (K)		15	9- 80	
Copper (Cu)		14	11- 30	
Zinc (Zn)		170	130- 200	
Manganese (Mn)		0.09	0.08- 0.50	
Chromium (Cr)		0.33	0.40- 0.70	
Vanadium (V)		0.026	0.018- 0.065	
Molybdenum (Mo)		0.035	0.025- 0.060	
Boron (B)		0.35	0.40- 3.0	
Iodine (I)		0.36	0.25- 1.8	
Lithium (Li)		< 0.004	0.007- 0.020	
Phosphorus (P)		147	150- 220	
Selenium (Se)		0.86	0.70- 1.2	
Strontium (Sr)		3.4	0.30- 3.5	
Sulfur (S)		46000	44000- 50000	
Cobalt (Co)		0.033	0.004- 0.020	
Iron (Fe)		7.2	7.0- 16	
Germanium (Ge)		0.027	0.030- 0.040	
Rubidium (Rb)		0.013	0.011- 0.12	
Zirconium (Zr)		0.057	0.020- 0.44	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/27/2013	Sample Size: 0.198 g	Ca/Mg	13.7	4- 30
Date Received: 11/07/2013	Sample Type: Head	Ca/P	10.3	0.8- 8
Date Completed: 11/09/2013	Hair Color: Blond	Na/K	2.47	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	12.1	4- 20
	Shampoo: Natural Bar Soap	Zn/Cd	> 999	> 800

Health history for hair test 899

- 1) What are your current symptoms and health history - [Fatigue, cognitive difficulties, food problems, much of what Amalgam Illness mentions.](#)
- 2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) - [5-8 Amalgams over the past 35 years or so \(all out now\), wisdom teeth out, one root canal.](#)
- 3) What dental work do you currently have in place? What part of the dental cleanup have you completed? - [All amalgam out 4 years ago, IOAMT protocol.](#)
- 4) What dentistry did your mother have at any time before or during pregnancy? – [Possible amalgams](#)
- 5) What vaccinations have you had and when (including flu and especially travel shots)? – [One flu plus all scheduled Canadian vaccinations.](#)
- 6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. - [Multivitamin, Thorne SF722.](#)
- 7) Other information you feel may be relevant?
- 8) What is your location - city & country (so that we can learn where certain toxins are more prevalent). [Calgary, Alberta.](#)