

TOXIC METALS

		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE		
				68 th		95 th
Aluminum	(Al)	8.6	< 7.0			
Antimony	(Sb)	0.021	< 0.050			
Arsenic	(As)	0.035	< 0.060			
Barium	(Ba)	0.35	< 2.0			
Beryllium	(Be)	< 0.01	< 0.020			
Bismuth	(Bi)	0.012	< 2.0			
Cadmium	(Cd)	0.015	< 0.050			
Lead	(Pb)	0.22	< 0.60			
Mercury	(Hg)	0.44	< 0.80			
Platinum	(Pt)	< 0.003	< 0.005			
Thallium	(Tl)	< 0.001	< 0.002			
Thorium	(Th)	< 0.001	< 0.002			
Uranium	(U)	0.075	< 0.060			
Nickel	(Ni)	0.14	< 0.30			
Silver	(Ag)	0.29	< 0.15			
Tin	(Sn)	0.11	< 0.30			
Titanium	(Ti)	0.21	< 0.70			
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)	173	300- 1200					
Magnesium	(Mg)	22	35- 120					
Sodium	(Na)	41	20- 250					
Potassium	(K)	55	8- 75					
Copper	(Cu)	15	11- 37					
Zinc	(Zn)	110	140- 220					
Manganese	(Mn)	0.14	0.08- 0.60					
Chromium	(Cr)	0.38	0.40- 0.65					
Vanadium	(V)	0.050	0.018- 0.065					
Molybdenum	(Mo)	0.053	0.020- 0.050					
Boron	(B)	2.5	0.25- 1.5					
Iodine	(I)	2.8	0.25- 1.8					
Lithium	(Li)	< 0.004	0.007- 0.020					
Phosphorus	(P)	148	150- 220					
Selenium	(Se)	0.71	0.55- 1.1					
Strontium	(Sr)	0.60	0.50- 7.6					
Sulfur	(S)	45400	44000- 50000					
Cobalt	(Co)	0.004	0.005- 0.040					
Iron	(Fe)	6.3	7.0- 16					
Germanium	(Ge)	0.028	0.030- 0.040					
Rubidium	(Rb)	0.065	0.007- 0.096					
Zirconium	(Zr)	0.48	0.020- 0.42					

SPECIMEN DATA

COMMENTS:

Date Collected: 05/05/2013 Sample Size: 0.196 g
 Date Received: 05/10/2013 Sample Type: Head
 Date Completed: 05/13/2013 Hair Color:
 Methodology: ICP/MS Treatment:
 Shampoo:

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	7.86	4- 30
Ca/P	1.17	1- 12
Na/K	0.745	0.5- 10
Zn/Cu	7.33	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 798

1) Current health:

Hashimoto's thyroidism, hypoadrenalism, hip/back issues, seasonal allergies.

2) All amalgam removed between 2007 and 2010.

One root canal at childhood, recently revised with bio dentist.

3) don't know

4) don't know

5) No flu shots or travel vaccinations known.

6) Medications: T4. Supplements: Unknown, does take them.

7) Location: Not disclosed.