



SEX: Female  
AGE: 57

4040 Florida St Ste 101  
Mandeville, LA 70448 U.S.A.

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.1	< 7.0	
Antimony (Sb)	0.020	< 0.050	
Arsenic (As)	0.81	< 0.060	
Barium (Ba)	0.12	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.59	< 2.0	
Cadmium (Cd)	0.030	< 0.050	
Lead (Pb)	0.52	< 0.60	
Mercury (Hg)	0.29	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.013	< 0.060	
Nickel (Ni)	0.26	< 0.30	
Silver (Ag)	0.89	< 0.15	
Tin (Sn)	0.12	< 0.30	
Titanium (Ti)	0.98	< 0.70	
<b>Total Toxic Representation</b>			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	145	300- 1200	
Magnesium (Mg)	22	35- 120	
Sodium (Na)	27	20- 250	
Potassium (K)	12	8- 75	
Copper (Cu)	18	11- 37	
Zinc (Zn)	190	140- 220	
Manganese (Mn)	0.39	0.08- 0.60	
Chromium (Cr)	0.39	0.40- 0.65	
Vanadium (V)	0.034	0.018- 0.065	
Molybdenum (Mo)	0.012	0.020- 0.050	
Boron (B)	0.58	0.25- 1.5	
Iodine (I)	4.2	0.25- 1.8	
Lithium (Li)	0.006	0.007- 0.020	
Phosphorus (P)	156	150- 220	
Selenium (Se)	0.70	0.55- 1.1	
Strontium (Sr)	0.35	0.50- 7.6	
Sulfur (S)	47900	44000- 50000	
Cobalt (Co)	0.015	0.005- 0.040	
Iron (Fe)	13	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.016	0.007- 0.096	
Zirconium (Zr)	0.019	0.020- 0.42	

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>	<b>RANGE</b>
Date Collected: 08/15/2015	Sample Size: 0.199 g	Ca/Mg	6.59	4- 30
Date Received: 08/18/2015	Sample Type: Head	Ca/P	0.929	1- 12
Date Completed: 08/20/2015	Hair Color: Gray	Na/K	2.25	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	10.6	4- 20
	Shampoo: 365 For Normal	Zn/Cd	> 999	> 800

## **Hair test 1142**

### **1) What are your current symptoms and health history?**

Tired, no motivation to exercise, short term memory loss, thick-wasted, some depression, had thyroid problems in past.

### **2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)**

A couple root canals; one 30 yrs ago and one 5 yrs ago, amalgams through childhood but got them removed in 1987 or so. One wisdom tooth removed, one front tooth knocked out.

### **3) What dental work do you currently have in place? What part of the dental cleanup have you completed?**

Had all amalgams removed, have a permanent bridge in place backed with gold.

### **4) What dentistry did your mother have at any time before or during pregnancy?**

Amalgams

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

No flu or travel shots, but was vaccinated as a child. Don't know which ones.

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

Magnesium "Calm" (1/2 tsp 4X/day), zinc (30 mg 4X/day), Vit C (1000 4X day), Vit B (500 IU day), Milk Thistle, Progesterone (200 MG), Testosterone (3 MG), and was doing Cutler Protocol off and on (about 4 or 5 rounds) using DMSA (12.5) and ALA (started at 25 mg's and reduced to 12.5 mg's).

### **7) Other information you feel may be relevant?**

Bathe in Well water and used to drink filtered well water for about a year. Never consistent with supplements otherwise.

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

Live in Penngrove, CA, USA