



SEX: Male  
DOB: 03/27/1957

AGE: 62

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	4.3	< 7.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.022	< 0.080	
Barium (Ba)	1.5	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.006	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.10	< 0.80	
Mercury (Hg)	0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.40	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.29	< 0.60	
Total Toxic Representation			

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)	1090	200- 750			
Magnesium (Mg)	94	25- 75			
Sodium (Na)	45	20- 180			
Potassium (K)	12	9- 80			
Copper (Cu)	18	11- 30			
Zinc (Zn)	200	130- 200			
Manganese (Mn)	0.08	0.08- 0.50			
Chromium (Cr)	0.31	0.40- 0.70			
Vanadium (V)	0.048	0.018- 0.065			
Molybdenum (Mo)	0.037	0.025- 0.060			
Boron (B)	6.1	0.40- 3.0			
Iodine (I)	3.8	0.25- 1.8			
Lithium (Li)	0.016	0.007- 0.020			
Phosphorus (P)	175	150- 220			
Selenium (Se)	0.90	0.70- 1.2			
Strontium (Sr)	11	0.30- 3.5			
Sulfur (S)	44700	44000- 50000			
Cobalt (Co)	0.003	0.004- 0.020			
Iron (Fe)	5.8	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.010	0.011- 0.12			
Zirconium (Zr)	0.036	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 12/07/2019		Ca/Mg	11.6
Date Received: 12/12/2019		Ca/P	6.23
Date Reported: 12/13/2019		Na/K	3.75
Methodology: ICP/MS		Zn/Cu	11.1
Sample Size: 0.195 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color: Black			
Treatment:			
Shampoo: Natures Gate			
		<b>RANGE</b>	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## Health history for hair test 1402

1. **What are your current symptoms and health history?** Adrenal fatigue, poor sleep, low thyroid, inflammation, poor digestion.
2. **Dental history (Wisdom teeth removed and when? Yes, 20 years ago. Any other extractions. I am missing about 6 molars. First root canal placed? 40 years ago, had two RC's removed 4 months ago Braces? No. First amalgam etc... First amalgam at age 5, \*current age 62 year 10 months old)**
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** I have 4 ceramic crowns, no metal.
4. **What dentistry did your mother have at any time before or during pregnancy?** Not sure.
5. **What vaccinations have you had and when (including flu and especially travel shots)?** When I was growing up I had all required vaccinations in the USA. I don't get flu shots.
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? Rx: Linzess, Supplements: Vitamin A and K, CoQ10, B-Complex, Zinc, Vitamin E, Vitamin C, Selenium, Lithium orotate, magnesium, potassium, Choline, Calcium, Sea Iodine, and digestive enzymes. Lysine, Glycine and Glutamine.**
7. **What is your age, height and weight?** 62 years 9 months at time of hair sample.
8. **Other information you feel may be relevant?** **NA**
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Edinburg, Texas, USA