



HAIR TEST: 1203
 SEX: Female
 AGE: 48

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	6.0	< 7.0	
Antimony (Sb)	0.037	< 0.050	
Arsenic (As)	0.042	< 0.060	
Barium (Ba)	1.5	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.011	< 2.0	
Cadmium (Cd)	0.025	< 0.050	
Lead (Pb)	0.75	< 0.60	
Mercury (Hg)	0.15	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.001	< 0.060	
Nickel (Ni)	0.38	< 0.30	
Silver (Ag)	3.5	< 0.15	
Tin (Sn)	0.22	< 0.30	
Titanium (Ti)	0.42	< 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)	685	300- 1200			
Magnesium (Mg)	52	35- 120			
Sodium (Na)	23	20- 250			
Potassium (K)	10	8- 75			
Copper (Cu)	170	11- 37			
Zinc (Zn)	220	140- 220			
Manganese (Mn)	0.13	0.08- 0.60			
Chromium (Cr)	0.36	0.40- 0.65			
Vanadium (V)	0.029	0.018- 0.065			
Molybdenum (Mo)	0.019	0.020- 0.050			
Boron (B)	0.82	0.25- 1.5			
Iodine (I)	1.3	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	188	150- 220			
Selenium (Se)	0.81	0.55- 1.1			
Strontium (Sr)	1.9	0.50- 7.6			
Sulfur (S)	47900	44000- 50000			
Cobalt (Co)	0.010	0.005- 0.040			
Iron (Fe)	8.0	7.0- 16			
Germanium (Ge)	0.030	0.030- 0.040			
Rubidium (Rb)	0.008	0.007- 0.096			
Zirconium (Zr)	0.68	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 05/22/2016	Sample Size: 0.202 g	Ca/Mg	13.2	4- 30
Date Received: 05/27/2016	Sample Type: Head	Ca/P	3.64	1- 12
Date Completed: 05/31/2016	Hair Color: Black	Na/K	2.3	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	1.29	4- 20
	Shampoo: Head Shoulders	Zn/Cd	> 999	> 800

1. **What are your current symptoms and health history?**
History of depression and PTSD. Symptoms have included, low energy, sleepiness, social anxiety, performance anxiety, low appetite, increase in appetite, feelings of hopelessness and worthlessness, worry, obsessive compulsive behavior, anger, no interest in socializing or fun activities... Showed symptoms in 1980 (13 yrs old). Then, depression started interfering with ability to function since 1984 (17 yrs old).
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)**
Crowns (1980). Wisdom teeth removed at age 18 (1985). Braces (1984-1988). Silver fillings (approximately 1982). Extractions (1988, 2010, 2015)
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?**
Implants (2015). Occasional cleanings (presently, every six months)
4. **What dentistry did your mother have at any time before or during pregnancy?**
{Possibly, extractions and crowns}
5. **What vaccinations have you had and when (including flu and especially travel shots)?**
Tetanus, Hepatitis (2004)
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?**
Prozac (40 mg), Trazodone (150 mg)
7. **What is your age, height and weight?**
48 (Born on 07/02/67)
5'7"
175 lbs.
8. **Other information you feel may be relevant?**
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent)**
Ashburn, VA (USA)
Born in El Salvador (1967)