

# HAIR ELEMENTS



**PATIENT: Number 389**  
**SEX: Male**  
**AGE: 17**  
**LOCATION: FLORIDA, USA**

## POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	2.9	< 8.0	██████████	
Antimony	0.011	< 0.066	●	
Arsenic	0.061	< 0.080	██████████	
Barium	0.28	< 0.75	██████████	
Beryllium	< 0.01	< 0.020		
Bismuth	0.019	< 2.0	●	
Cadmium	0.029	< 0.060	██████████	
Lead	1.8	< 1.0	██████████	
Mercury	0.11	< 0.40	██████████	
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.007	< 0.060	██████████	
Nickel	0.08	< 0.20	██████████	
Silver	0.16	< 0.10	██████████	
Tin	0.03	< 0.30	●	
Titanium	0.36	< 0.60	██████████	
Total Toxic Representation			██████████	

## ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	1210	200- 700			██████████		
Magnesium	85	18- 70			██████████		
Sodium	32	20- 200			██████████		
Potassium	5	9- 80		██████████			
Copper	12	11- 32		██████████			
Zinc	200	150- 230			██████████		
Manganese	0.05	0.08- 0.50	██████████				
Chromium	0.44	0.40- 0.70			██████████		
Vanadium	0.015	0.020- 0.075		██████████			
Molybdenum	0.18	0.030- 0.060			██████████		
Boron	0.70	0.34- 3.0			██████████		
Iodine	1.2	0.25- 1.3			██████████		
Lithium	< 0.004	0.007- 0.020	██████████				
Phosphorus	224	150- 220			██████████		
Selenium	1.0	0.70- 1.2			██████████		
Strontium	20	0.30- 3.2			██████████		
Sulfur	49800	44000- 50000			██████████		
Cobalt	0.004	0.004- 0.020		██████████			
Iron	11	7.0- 16			██████████		
Germanium	0.039	0.030- 0.040			██████████		
Rubidium	0.003	0.009- 0.090	██████████				
Zirconium	0.16	0.047- 0.70			██████████		

### SPECIMEN DATA

**COMMENTS:**  
 Date Collected: 6/1/2010      Sample Size: 0.198 g  
 Date Received: 6/4/2010      Sample Type: Head  
 Date Completed: 6/6/2010      Hair Color:  
 Client Reference:      Treatment:  
 Methodology: ICP-MS      Shampoo: Desert Essence  
V010.08

### RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	14.2	4- 30
Ca/P	5.4	0.8- 8
Na/K	6.4	0.5- 10
Zn/Cu	16.7	4- 20
Zn/Cd	> 999	> 800

## **Health history for hair test 389**

**1) What are your current symptoms and health history?** Brain fog, short term memory loss, visual problems (focusing, dim vision, blurry... some things wrong), fatigue, tachycardia, disorientation, low libido, declining intelligence

**2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)** 11 amalgams at age 9, all but one removed improperly at age 15. Final filling removed at age 17

**3) What dental work do you currently have in place? What part of the dental cleanup have you completed?** none

**4) What dentistry did your mother have at any time before or during pregnancy?**  
Many amalgams and crowns.

**5) What vaccinations have you had and when (including flu and especially travel shots)?** Standard birth vaccines along with meningitis about two years ago

**6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** Taken for about 10 days before hair sample:  
Vitamin C, B50 complex 2x daily, Selenium 200 mcg, Milk Thistle 400mg, Chromium 400mg, 50mg zinc, Cod Liver Oil 1 tsp daily.

**7) Other information you feel may be relevant?** Haven't been feeling right in nearly two years and nobody knows why. A lot of neurological symptoms as you can see above. I am a 17 year old male and I just want my life back and to be a normal person.

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