

# HAIR ELEMENTS



**PATIENT: Number 506**  
**SEX: Male**  
**AGE: 19**  
**LOCATION: Metairie, Louisiana, USA**

## POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	6.5	< 7.0		
Antimony	0.034	< 0.066		
Arsenic	0.025	< 0.080		
Barium	2.5	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.006	< 2.0		
Cadmium	0.13	< 0.065		
Lead	1.8	< 0.80		
Mercury	0.07	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.16	< 0.060		
Nickel	0.23	< 0.20		
Silver	0.08	< 0.08		
Tin	0.09	< 0.30		
Titanium	0.34	< 0.60		
Total Toxic Representation				

## ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/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	1490	200- 750					
Magnesium	120	25- 75					
Sodium	30	20- 180					
Potassium	13	9- 80					
Copper	260	11- 30					
Zinc	280	130- 200					
Manganese	0.57	0.08- 0.50					
Chromium	0.37	0.40- 0.70					
Vanadium	0.042	0.018- 0.065					
Molybdenum	0.028	0.025- 0.060					
Boron	0.52	0.40- 3.0					
Iodine	0.46	0.25- 1.8					
Lithium	0.008	0.007- 0.020					
Phosphorus	163	150- 220					
Selenium	1.0	0.70- 1.2					
Strontium	3.2	0.30- 3.5					
Sulfur	46400	44000- 50000					
Cobalt	0.017	0.004- 0.020					
Iron	9.1	7.0- 16					
Germanium	0.030	0.030- 0.040					
Rubidium	0.007	0.011- 0.12					
Zirconium	1.8	0.020- 0.44					

### SPECIMEN DATA

**COMMENTS:**

Date Collected: 7/8/2011      Sample Size: 0.204 g  
 Date Received: 7/11/2011      Sample Type: Head  
 Date Completed: 7/15/2011      Hair Color: Brown  
 Client Reference: 1285108      Treatment:  
 Methodology: ICP-MS      Shampoo:

V010.08

### RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	12.4	4- 30
Ca/P	9.14	0.8- 8
Na/K	2.31	0.5- 10
Zn/Cu	1.08	4- 20
Zn/Cd	> 999	> 800



PATIENT: Number 506 follow up test  
 SEX: Male  
 AGE: 20

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	5.5	< 7.0	
Antimony (Sb)	0.021	< 0.066	
Arsenic (As)	0.018	< 0.080	
Barium (Ba)	2.4	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.013	< 2.0	
Cadmium (Cd)	0.17	< 0.065	
Lead (Pb)	1.3	< 0.80	
Mercury (Hg)	0.10	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.16	< 0.060	
Nickel (Ni)	0.37	< 0.20	
Silver (Ag)	0.04	< 0.08	
Tin (Sn)	0.13	< 0.30	
Titanium (Ti)	0.14	< 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)	1500	200- 750			
Magnesium (Mg)	93	25- 75			
Sodium (Na)	36	20- 180			
Potassium (K)	12	9- 80			
Copper (Cu)	170	11- 30			
Zinc (Zn)	490	130- 200			
Manganese (Mn)	0.39	0.08- 0.50			
Chromium (Cr)	0.39	0.40- 0.70			
Vanadium (V)	0.026	0.018- 0.065			
Molybdenum (Mo)	0.19	0.025- 0.060			
Boron (B)	0.72	0.40- 3.0			
Iodine (I)	0.77	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	158	150- 220			
Selenium (Se)	1.2	0.70- 1.2			
Strontium (Sr)	3.3	0.30- 3.5			
Sulfur (S)	46900	44000- 50000			
Cobalt (Co)	0.014	0.004- 0.020			
Iron (Fe)	7.7	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.009	0.011- 0.12			
Zirconium (Zr)	0.21	0.020- 0.44			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 4/6/2012	Sample Size: 0.199 g	Ca/Mg	16.1	4- 30
Date Received: 4/9/2012	Sample Type: Head	Ca/P	9.49	0.8- 8
Date Completed: 4/13/2012	Hair Color: Brown	Na/K	3	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.88	4- 20
	Shampoo:	Zn/Cd	> 999	> 800



PATIENT: Number 506 - follow up test  
 SEX: Male  
 AGE: 20

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	5.8	< 7.0	
Antimony (Sb)	0.012	< 0.066	
Arsenic (As)	0.034	< 0.080	
Barium (Ba)	1.1	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.020	< 2.0	
Cadmium (Cd)	0.027	< 0.065	
Lead (Pb)	0.41	< 0.80	
Mercury (Hg)	0.21	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.16	< 0.060	
Nickel (Ni)	0.11	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.30	< 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)	764	200- 750			
Magnesium (Mg)	71	25- 75			
Sodium (Na)	50	20- 180			
Potassium (K)	14	9- 80			
Copper (Cu)	170	11- 30			
Zinc (Zn)	290	130- 200			
Manganese (Mn)	0.16	0.08- 0.50			
Chromium (Cr)	0.37	0.40- 0.70			
Vanadium (V)	0.037	0.018- 0.065			
Molybdenum (Mo)	0.038	0.025- 0.060			
Boron (B)	1.6	0.40- 3.0			
Iodine (I)	0.50	0.25- 1.8			
Lithium (Li)	0.008	0.007- 0.020			
Phosphorus (P)	176	150- 220			
Selenium (Se)	1.0	0.70- 1.2			
Strontium (Sr)	2.2	0.30- 3.5			
Sulfur (S)	49600	44000- 50000			
Cobalt (Co)	0.009	0.004- 0.020			
Iron (Fe)	7.3	7.0- 16			
Germanium (Ge)	0.029	0.030- 0.040			
Rubidium (Rb)	0.016	0.011- 0.12			
Zirconium (Zr)	2.0	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 11/30/2012		Ca/Mg	10.8
Date Received: 12/04/2012		Ca/P	4.34
Date Completed: 12/08/2012		Na/K	3.57
Methodology: ICP/MS		Zn/Cu	1.71
Sample Size: 0.198 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo:			
		<b>RANGE</b>	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

## Health history for hair Test 506

Also noticed that I overlooked the questions posted so without further to do

### 1. Symptoms:

Mucous covered stools  
Tons of undigested food in stool  
Chronic fatigue  
Dry skin (my lips are always cracked)  
Chronic lower abdominal pain(burning), especially on left side  
Fuzzy vision, lots of floaters  
Eyes always red  
Light sensitivity, afterimages, flashes  
Chronic depression  
brain fog  
Sleep comes easy but isn't restorative  
Extreme bloating  
Gas  
Cant stand hot or cold  
Lack of motivation  
Inability to concentrate  
Fast heartbeat  
Severe anxiety  
Inability to do manual work  
Always uncomfortable  
ADHD  
Sometimes I get headaches and ringing in ears but they are subtle  
Hard stools  
Rectal area itchy at times, especially after bowel movements  
Exercise wipes me out for days  
lack of sex drive  
Hypothyroidism type 2  
irritability  
Im a night person  
Uncontrollable hunger, seems like the emptier my bowels are the more I want to eat; inability to satiate  
Dizziness especially when standing after sitting  
Immune system seems weak, seem to get alot of fevers out of nowhere  
Sugar rushes, binges, and cravings  
Nails have many white spots on them  
Nails are covered in striations(lines)  
Iodine deficiency  
Vitamin B deficiency  
Vitamin D deficiency  
My mind is like a broken record trapped in a nightmare  
Bilirubin levels are double what they should be  
Sugar levels in blood are slightly high

### 2. Dental work:

Around 15 composite resin fillings in my mouth. I had braces for four years, from 13 years old to 17 years old. The braces were removed a year and a half ago but a permanent bottom retainer was put in, it has a silver color to it if that means anything. I would say that the problems I've been experiencing started around the time I got braces and progressively became worse. The problems may have started earlier than that but not later

3. Dental cleanup hasn't been started, I'm so sick that it's difficult for me to sit down and read for extended periods so I don't know what specifically this dental cleanup is

4. Mother had silver fillings from the time she was young

#### **5. Vaccination History:**

DTap/DTP/Td: 1992, 1993, 2004

Tdap: 2010

OPV/IPV: 1992, 1993, 2010

MMR: 1993, 1997

Hib: 1992, 1993

Hep A: 2006, 2007

Hep B(3 dose): 1992, 1993

Varicella: 1999, 2000

Meningococcal: 2007

HPV: 2010

6. Before the hair test I had been taking a tincture for parasite cleansing made of wormwood, cloves, and black walnut hulls; I also took a product called Humaworm for half a month

7. 19 years old, male, 5 feet 10 inches, 136 pounds

8. This has been a really bad year for me; the disease, whatever it may be, just keeps getting worse. I am supposed to go to college in a few weeks but my condition is at its worst. I've been severely constipated the last two years and to a lesser extent the years before that. Around the beginning of the summer my constipation was under control as I took doses of apple cider vinegar in water, it stopped working after a few weeks. The tincture I took as well as humaworm seemed to promote bowel movements but what came out was still just as messed up and all the symptoms continued. I can't believe that such horror could exist, this has been hell on me.

9. Metairie, Louisiana, USA