



PATIENT: Number 734  
 SEX: Female  
 AGE: 34

## Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	10	< 7.0	
Antimony (Sb)	0.011	< 0.050	
Arsenic (As)	0.045	< 0.060	
Barium (Ba)	0.33	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	1.4	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.28	< 0.60	
Mercury (Hg)	1.9	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.009	< 0.060	
Nickel (Ni)	0.06	< 0.30	
Silver (Ag)	0.09	< 0.15	
Tin (Sn)	0.53	< 0.30	
Titanium (Ti)	0.34	< 0.70	
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)	388	300- 1200			
Magnesium (Mg)	12	35- 120			
Sodium (Na)	46	20- 250			
Potassium (K)	44	8- 75			
Copper (Cu)	19	11- 37			
Zinc (Zn)	150	140- 220			
Manganese (Mn)	0.17	0.08- 0.60			
Chromium (Cr)	0.30	0.40- 0.65			
Vanadium (V)	0.029	0.018- 0.065			
Molybdenum (Mo)	0.038	0.020- 0.050			
Boron (B)	0.34	0.25- 1.5			
Iodine (I)	1.1	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	131	150- 220			
Selenium (Se)	0.64	0.55- 1.1			
Strontium (Sr)	0.46	0.50- 7.6			
Sulfur (S)	44200	44000- 50000			
Cobalt (Co)	0.022	0.005- 0.040			
Iron (Fe)	6.8	7.0- 16			
Germanium (Ge)	0.024	0.030- 0.040			
Rubidium (Rb)	0.046	0.007- 0.096			
Zirconium (Zr)	0.57	0.020- 0.42			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected:	Sample Size: 0.2 g	Ca/Mg	32.3	4- 30
Date Received: 12/26/2012	Sample Type: Head	Ca/P	2.96	1- 12
Date Completed: 12/29/2012	Hair Color: Brown	Na/K	1.05	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	7.89	4- 20
	Shampoo: Body Shop	Zn/Cd	> 999	> 800

## **Health history for hair test 734**

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

Good health. Some anxiety.

### **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)**

No extractions, no amalgams or root canal. Braces as a kid.

### **What dental work do you currently have in place? What part of the dental clean-up have you completed?**

One composite resin filling.

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

Don't know - but she had lots of amalgam fillings in her mouth.

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

Tons of 'clinical ecology' anti-allergy (asthma) shots in the 1980s. Well over 100. Very few vaccinations.

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

None.

### **What is your age, height and weight?**

34, 5' 4", 54kg.

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

High-strung, but healthy & happy enough.

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

Canberra & Sydney, Australia.