

HAIR ELEMENTS



PATIENT: Number 666
SEX: Female
AGE: 33

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	3.0	< 7.0		
Antimony	0.019	< 0.050		
Arsenic	0.68	< 0.060		
Barium	1.3	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.010	< 2.0		
Cadmium	0.031	< 0.050		
Lead	0.18	< 0.60		
Mercury	1.6	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.012	< 0.060		
Nickel	0.12	< 0.30		
Silver	0.14	< 0.15		
Tin	0.58	< 0.30		
Titanium	0.43	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS						
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE			97.5 th
			2.5 th	16 th	50 th	
Calcium	455	300- 1200				
Magnesium	30	35- 120				
Sodium	160	20- 250				
Potassium	78	8- 75				
Copper	22	11- 37				
Zinc	150	140- 220				
Manganese	0.62	0.08- 0.60				
Chromium	0.34	0.40- 0.65				
Vanadium	0.038	0.018- 0.065				
Molybdenum	0.057	0.020- 0.050				
Boron	0.28	0.25- 1.5				
Iodine	0.46	0.25- 1.8				
Lithium	0.006	0.007- 0.020				
Phosphorus	171	150- 220				
Selenium	1.1	0.55- 1.1				
Strontium	1.1	0.50- 7.6				
Sulfur	49800	44000- 50000				
Cobalt	0.004	0.005- 0.040				
Iron	9.5	7.0- 16				
Germanium	0.031	0.030- 0.040				
Rubidium	0.078	0.007- 0.096				
Zirconium	0.041	0.020- 0.42				

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/13/2010	Sample Size: 0.201 g			Ca/Mg	15.2	4- 30
Date Received: 12/18/2010	Sample Type: Head			Ca/P	2.66	1- 12
Date Completed: 12/21/2010	Hair Color:			Na/K	2.05	0.5- 10
Client Reference:	Treatment:			Zn/Cu	6.82	4- 20
Methodology: ICP-MS	Shampoo:			Zn/Cd	> 999	> 800

V010.08

Health history for hair test 666

1. **What are your current symptoms and health history?** answer: psychiatric sx (bipolar depression, anxiety, insomnia), asthma, allergies, carpal tunnel, constipation, chronic candidiasis,
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** answer: fillings in baby teeth, then fillings from age 21 - 32 when they were removed. Wisdom teeth extracted (all impacted) at around 26 years old. No braces, 2 crowns (non metal), no root canals.
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** answer: 2 crowns (zirconium)
4. **What dentistry did your mother have at any time before or during pregnancy?** about 15 fillings, some crowns
5. **What vaccinations have you had and when (including flu and especially travel shots)?** travel shots for africa, usual childhood vaccinations
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** zinc, mag, vitamin c, some liver support
7. **What is your age, height and weight?** currently 35 years old, 55kg, 5ft 6
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).** - London, UK (sx worsened when I moved to Manhattan 4 years ago)