

HAIR ELEMENTS



PATIENT: Number 391
SEX: Male
AGE: 36
LOCATION: LA, California, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	3.2	< 12		
Antimony	0.031	< 0.080		
Arsenic	0.33	< 0.12		
Barium	5.0	< 1.5		
Beryllium	< 0.01	< 0.020		
Bismuth	0.26	< 2.0		
Cadmium	0.018	< 0.065		
Lead	0.77	< 1.5		
Mercury	0.10	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.13	< 0.060		
Nickel	0.17	< 0.40		
Silver	0.02	< 0.10		
Tin	0.07	< 0.30		
Titanium	0.43	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	1480	375- 1100					
Magnesium	300	40- 140					
Sodium	420	60- 400					
Potassium	200	28- 160					
Copper	23	11- 32					
Zinc	200	120- 200					
Manganese	0.17	0.15- 0.65					
Chromium	0.29	0.40- 0.70					
Vanadium	0.056	0.018- 0.065					
Molybdenum	0.13	0.040- 0.080					
Boron	6.5	0.40- 2.5					
Iodine	0.32	0.25- 1.8					
Lithium	0.056	0.008- 0.030					
Phosphorus	224	200- 300					
Selenium	1.0	0.80- 1.3					
Strontium	20	1.0- 6.0					
Sulfur	41900	41000- 47000					
Cobalt	0.016	0.006- 0.035					
Iron	16	7.0- 16					
Germanium	0.026	0.030- 0.040					
Rubidium	0.21	0.030- 0.25					
Zirconium	0.12	0.040- 1.0					

SPECIMEN DATA

COMMENTS:
 Date Collected: 5/12/2010 Sample Size: 0.195 g
 Date Received: 5/17/2010 Sample Type: Pubic
 Date Completed: 5/24/2010 Hair Color:
 Client Reference: 1231575 Treatment:
 Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	4.93	4- 30
Ca/P	6.61	0.8- 8
Na/K	2.1	0.5- 10
Zn/Cu	8.7	4- 20
Zn/Cd	> 999	> 800

V010.08

Health history 391

1. Adrenal fatigue, underweight, food sensitivities, gastritis
2. 2 amalgams at age 15. amalgams removed july 2008. have all wisdom teeth and no root canals.
3. 2 composite fillings in place of amalgams. Completed dental clean-up jan. 2009
4. N/A
5. Last flu shot 6 years ago. TB shot as a kid. no travel shots
6. Vitamin E 400IU, milk thistle 250mg, B-complex 100, adrenal cortex 250mg 3xday, Coq10 100mg, biotin 5mg, magnesium oxide 400mg, vitamin c 3grams 3xday; molybdenum 150mcg per day.
7. 36, 5'10", 115lbs.
8. 26 rounds Dmsa. 22 rounds at 25mg, 4 rounds at 37.5mg. I tried ALA Aug. 2009 at 6.25mg for 1 round. The next round I increased ALA to 12.5mg and became nauseous, so I discontinued ALA and DMSA for 3 weeks. I haven't dosed with ALA since. I was gaining weight until I dosed ALA, so I believe I went too fast or the gastritis was affected.
9. Los Angeles California