

HAIR ELEMENTS



PATIENT: Number 390
SEX: Male
AGE: 54
LOCATION: Florida, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.0	< 7.0		
Antimony	0.20	< 0.066		
Arsenic	0.070	< 0.080		
Barium	0.26	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.012	< 2.0		
Cadmium	0.047	< 0.065		
Lead	0.46	< 0.80		
Mercury	0.87	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.006	< 0.060		
Nickel	0.16	< 0.20		
Silver	0.03	< 0.08		
Tin	0.04	< 0.30		
Titanium	0.40	< 0.60		
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	658	200- 750					
Magnesium	44	25- 75					
Sodium	370	20- 180					
Potassium	73	9- 80					
Copper	10	11- 30					
Zinc	160	130- 200					
Manganese	0.08	0.08- 0.50					
Chromium	0.77	0.40- 0.70					
Vanadium	0.072	0.018- 0.065					
Molybdenum	0.031	0.025- 0.060					
Boron	1.0	0.40- 3.0					
Iodine	0.80	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	208	150- 220					
Selenium	1.0	0.70- 1.2					
Strontium	15	0.30- 3.5					
Sulfur	48800	44000- 50000					
Cobalt	0.003	0.004- 0.020					
Iron	9.8	7.0- 16					
Germanium	0.042	0.030- 0.040					
Rubidium	0.062	0.011- 0.12					
Zirconium	0.57	0.020- 0.44					

SPECIMEN DATA			RATIOS		
COMMENTS:			ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 6/1/2010	Sample Size: 0.197 g		Ca/Mg	15	4- 30
Date Received: 6/5/2010	Sample Type: Head		Ca/P	3.16	0.8- 8
Date Completed: 6/7/2010	Hair Color: Brown		Na/K	5.07	0.5- 10
Client Reference:	Treatment:		Zn/Cu	16	4- 20
Methodology: ICP-MS	Shampoo: Back To Basics		Zn/Cd	> 999	> 800

Health history for hair test 390

- 1) What are your current symptoms and health history?** Fatigue, always sleeping during the day
- 2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)** Many amalgams placed before age ten
- 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
- 5) What vaccinations have you had and when (including flu and especially travel shots)?** Standard childhood vaccines in 1950's and 1960's
- 6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** Synthroid for hypothyroidism, .75mg .and simcor for cholesterol(not sure of dose)
- 7) Other information you feel may be relevant?** Always tired and sleeps a lot during the day. He has hypothyroidism and had prostate cancer a few years ago.
- 8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).** South Florida