

HAIR ELEMENTS



PATIENT: Number 324
SEX: Male
AGE: 44
LOCATION: Mercer County New Jersey USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	8.5	< 7.0		
Antimony	0.038	< 0.066		
Arsenic	0.045	< 0.080		
Barium	9.8	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.086	< 2.0		
Cadmium	0.19	< 0.065		
Lead	3.5	< 0.80		
Mercury	6.6	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.31	< 0.060		
Nickel	0.46	< 0.20		
Silver	1.3	< 0.08		
Tin	0.29	< 0.30		
Titanium	0.60	< 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	1810	200- 750					
Magnesium	190	25- 75					
Sodium	60	20- 180					
Potassium	47	9- 80					
Copper	250	11- 30					
Zinc	140	130- 200					
Manganese	0.68	0.08- 0.50					
Chromium	0.48	0.40- 0.70					
Vanadium	0.052	0.018- 0.065					
Molybdenum	0.091	0.025- 0.060					
Boron	0.99	0.40- 3.0					
Iodine	1.0	0.25- 1.8					
Lithium	0.011	0.007- 0.020					
Phosphorus	223	150- 220					
Selenium	0.89	0.70- 1.2					
Strontium	8.4	0.30- 3.5					
Sulfur	43700	44000- 50000					
Cobalt	0.030	0.004- 0.020					
Iron	9.0	7.0- 16					
Germanium	0.035	0.030- 0.040					
Rubidium	0.048	0.011- 0.12					
Zirconium	0.32	0.020- 0.44					

SPECIMEN DATA

COMMENTS: CHEST HAIR- Reference Ranges not established

Date Collected: 10/24/2009 Sample Size: 0.2 g
 Date Received: 10/31/2009 Sample Type: Head
 Date Completed: 11/10/2009 Hair Color: Brown
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Neutrogena

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	9.53	4- 30
Ca/P	8.12	0.8- 8
Na/K	1.28	0.5- 10
Zn/Cu	0.56	4- 20
Zn/Cd	737	> 800

Health history for hair test 324

What are your current symptoms and health history? **Muscle and nerve pain, legs and arms**

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) **10 x 20-30 year old amalgam fillings removed in 9/2009**

What dental work do you currently have in place? What part of the dental clean-up have you completed? **One crown synthetic new.**

What dentistry did your mother have at any time before or during pregnancy? **not know but I am 44**

What vaccinations have you had and when (including flu and especially travel shots)? **not many recently**

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

What is your age, height and weight? **44, 6'2" 215 lb**

Other information you feel may be relevant? **None**

What is your location – city & country (so that we can learn where certain toxins are more prevalent). **Mercer County New Jersey USA**