

HAIR ELEMENTS



PATIENT: Number 282
SEX: Female
AGE: 44
LOCATION: Long Island, New York

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	0.8	< 7.0	█	
Antimony	0.013	< 0.050	█	
Arsenic	0.041	< 0.060	██████████	
Barium	0.43	< 2.0	█	
Beryllium	< 0.01	< 0.020		
Bismuth	0.026	< 2.0	●	
Cadmium	< 0.009	< 0.050		
Lead	0.47	< 0.60	██████████	
Mercury	0.06	< 0.80	█	
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002	●	
Thorium	< 0.001	< 0.002		
Uranium	0.005	< 0.060	█	
Nickel	0.05	< 0.30	█	
Silver	0.09	< 0.15	██████████	
Tin	0.06	< 0.30	█	
Titanium	0.33	< 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	475	300- 1200			██████████		
Magnesium	42	35- 120			██████████		
Sodium	210	20- 250			██████████		
Potassium	75	8- 75			██████████		
Copper	16	11- 37			█		
Zinc	280	140- 220			██████████		
Manganese	0.06	0.08- 0.60		██████████			
Chromium	0.30	0.40- 0.65	██████████				
Vanadium	0.024	0.018- 0.065			██████████		
Molybdenum	0.023	0.020- 0.050			██████████		
Boron	0.37	0.25- 1.5			██████████		
Iodine	1.1	0.25- 1.8			██████████		
Lithium	< 0.004	0.007- 0.020	██████████				
Phosphorus	186	150- 220			█		
Selenium	1.1	0.55- 1.1			██████████		
Strontium	0.78	0.50- 7.6		██████████			
Sulfur	49300	44000- 50000			██████████		
Cobalt	0.004	0.005- 0.040		██████████			
Iron	4.5	7.0- 16		██████████			
Germanium	0.028	0.030- 0.040		██████████			
Rubidium	0.077	0.007- 0.096			██████████		
Zirconium	0.061	0.020- 0.42			█		

SPECIMEN DATA

COMMENTS:
 Date Collected: 4/22/2009 Sample Size: 0.201 g
 Date Received: 4/24/2009 Sample Type: Head
 Date Completed: 4/30/2009 Hair Color:
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	11.3	4- 30
Ca/P	2.55	1- 12
Na/K	2.8	0.5- 10
Zn/Cu	17.5	4- 20
Zn/Cd	> 999	> 800

V010.08

Health history for hair test 282

1. Current symptoms - I had an unexplained rash on my lower legs that lasted four years. It is almost gone. I have some digestive problems, poor vision, white vertical lines on my nails and very dry skin.
2. Dental History - I had braces on as a child. I had all four wisdom teeth removed at 18. Had my first two amalgam fillings put in at 35. I had five amalgam fillings in my teeth by 41.
3. I just removed (2 months ago) all 5 amalgam fillings from an holistic dentist. He replaced them with Diamond Crown.
4. Don't know my Mom's dental history at the time I was born. However, she did tell me she drank soda every day throughout her pregnancy.
5. I had all childhood vaccines. I had one tetnis shot about 19 years ago. I have never had a flu vaccine and don't intend to ever!
6. I take daily: Fermented cod liver oil
Bee pollen

Sometimes: Vitamin C
Chlorella
7. I am located in Long Island, New York.

Also, I dye my hair. I've been dying my hair for over ten years (once every five weeks). I did let my hair grow out for the test (didn't dye it for 10 weeks prior to the test). My hair dresser cut my hair for the test. She used a razor sharp cutting tool and made sure that it was new growth.