



PATIENT: Number 733
 SEX: Female
 AGE: 7

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	3.1	< 8.0	
Antimony (Sb)	0.011	< 0.066	
Arsenic (As)	0.065	< 0.060	
Barium (Ba)	1.8	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.065	< 2.0	
Cadmium (Cd)	< 0.009	< 0.070	
Lead (Pb)	0.04	< 0.80	
Mercury (Hg)	0.09	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	< 0.001	< 0.060	
Nickel (Ni)	0.24	< 0.30	
Silver (Ag)	0.01	< 0.18	
Tin (Sn)	0.21	< 0.30	
Titanium (Ti)	0.23	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	274	250- 800	
Magnesium (Mg)	10	25- 90	
Sodium (Na)	29	18- 180	
Potassium (K)	21	10- 90	
Copper (Cu)	8.6	11- 37	
Zinc (Zn)	120	120- 220	
Manganese (Mn)	0.15	0.08- 0.60	
Chromium (Cr)	0.39	0.40- 0.65	
Vanadium (V)	0.021	0.025- 0.10	
Molybdenum (Mo)	0.038	0.030- 0.090	
Boron (B)	1.4	0.30- 1.7	
Iodine (I)	0.60	0.25- 1.3	
Lithium (Li)	0.005	0.007- 0.020	
Phosphorus (P)	133	150- 220	
Selenium (Se)	0.91	0.70- 1.1	
Strontium (Sr)	0.78	0.37- 3.6	
Sulfur (S)	49000	44000- 51000	
Cobalt (Co)	0.004	0.005- 0.035	
Iron (Fe)	5.4	7.0- 16	
Germanium (Ge)	0.029	0.030- 0.040	
Rubidium (Rb)	0.031	0.008- 0.080	
Zirconium (Zr)	0.78	0.030- 0.40	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 01/28/2013		Ca/Mg	27.4
Date Received: 02/09/2013		Ca/P	2.06
Date Completed: 02/17/2013		Na/K	1.38
Methodology: ICP/MS		Zn/Cu	14
Sample Size: 0.197 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Philosophy			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 733

- (1). Autism
- (2). No dental work
- (3). No dental work
- (4). I had amalgams while pregnant with her.
- (5). She has had immunizations. I had a Rhogam injection while pregnant with her.
- (6). She takes the Essential 4, biotin, GSE.
- (7). She is 7 years old, 75 lbs, and 4 ft 3 in.
- (8). We had completed 87 rounds when we did this hair test.
- (9). Louisiana