



SEX: Male  
AGE: 39

*Suggestions for your doctor:*  
*As always, work with your Doctor.*  
*With love & hope, Dr. Amy*

279 Walkers Mills Rd  
Bethel, ME 04217 U.S.A.

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	2.1	< 7.0	
Antimony (Sb)	0.013	< 0.066	
Arsenic (As)	0.034	< 0.080	
Barium (Ba)	0.17	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.012	< 2.0	
Cadmium (Cd)	0.027	< 0.065	
Lead (Pb)	0.06	< 0.80	
Mercury (Hg)	0.20	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.004	< 0.002	
Uranium (U)	0.003	< 0.060	
Nickel (Ni)	0.26	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.06	< 0.30	
Titanium (Ti)	0.22	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	418	200- 750	
Magnesium (Mg)	20	25- 75	
Sodium (Na)	26	20- 180	
Potassium (K)	8	9- 80	
Copper (Cu)	8.6	11- 30	
Zinc (Zn)	200	130- 200	
Manganese (Mn)	2.1	0.08- 0.50	
Chromium (Cr)	0.35	0.40- 0.70	
Vanadium (V)	0.012	0.018- 0.065	
Molybdenum (Mo)	0.011	0.025- 0.060	
Boron (B)	0.80	0.40- 3.0	
Iodine (I)	0.72	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	137	150- 220	
Selenium (Se)	0.94	0.70- 1.2	
Strontium (Sr)	0.42	0.30- 3.5	
Sulfur (S)	47900	44000- 50000	
Cobalt (Co)	0.002	0.004- 0.020	
Iron (Fe)	3.8	7.0- 16	
Germanium (Ge)	0.031	0.030- 0.040	
Rubidium (Rb)	0.008	0.011- 0.12	
Zirconium (Zr)	0.17	0.020- 0.44	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected:		Ca/Mg	20.9
Date Received: 01/26/2017		Ca/P	3.05
Date Completed: 01/28/2017		Na/K	3.25
Methodology: ICP/MS		Zn/Cu	23.3
Sample Size: 0.203 g		Zn/Cd	> 999
Sample Type: Head			
Hair Color:			
Treatment:			
Shampoo:			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	