



SEX: Male
AGE: 23

279 Walkers Mills Rd
Bethel, ME 04217 U.S.A.
*As always, work with your Doctor.
With love & hope, Dr. Amy*

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.8	< 7.0	
Antimony (Sb)	0.014	< 0.066	
Arsenic (As)	0.044	< 0.080	
Barium (Ba)	0.23	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	0.012	< 0.065	
Lead (Pb)	0.15	< 0.80	
Mercury (Hg)	0.11	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.029	< 0.060	
Nickel (Ni)	0.04	< 0.20	
Silver (Ag)	0.02	< 0.08	
Tin (Sn)	0.04	< 0.30	
Titanium (Ti)	0.25	< 0.60	
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)	279	200- 750			
Magnesium (Mg)	50	25- 75			
Sodium (Na)	41	20- 180			
Potassium (K)	7	9- 80			
Copper (Cu)	14	11- 30			
Zinc (Zn)	220	130- 200			
Manganese (Mn)	0.30	0.08- 0.50			
Chromium (Cr)	0.39	0.40- 0.70			
Vanadium (V)	0.016	0.018- 0.065			
Molybdenum (Mo)	0.021	0.025- 0.060			
Boron (B)	0.50	0.40- 3.0			
Iodine (I)	0.66	0.25- 1.8			
Lithium (Li)	0.005	0.007- 0.020			
Phosphorus (P)	156	150- 220			
Selenium (Se)	0.79	0.70- 1.2			
Strontium (Sr)	0.49	0.30- 3.5			
Sulfur (S)	47000	44000- 50000			
Cobalt (Co)	0.014	0.004- 0.020			
Iron (Fe)	4.5	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.007	0.011- 0.12			
Zirconium (Zr)	0.045	0.020- 0.44			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 08/17/2017	Sample Size: 0.2 g	Ca/Mg	5.58	4- 30
Date Received: 08/23/2017	Sample Type: Head	Ca/P	1.79	0.8- 8
Date Completed: 08/24/2017	Hair Color: Brown	Na/K	5.86	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	15.7	4- 20
	Shampoo: Head Shoulders	Zn/Cd	> 999	> 800

1. Only symptom is romantic shyness, but no physical issues or other emotional issues
2. Dental History: Never had amalgams, Wisdom teeth removed at 16 years old. Braces at 12.
3. Current dental work: about 3 composite fillings
4. Mother's amalgams were removed before pregnancy
5. "Normal" vaccinations were reduced and staggered until child grew older. Several travel vaccinations
6. No medications or supplements.
7. 23 yrs old, 5'10" 140 lbs.
8. None
9. Durango, CO