



SEX: Female  
AGE: 20

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				PERCENTILE	
		RESULT µg/g	REFERENCE INTERVAL	68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	(Al)	13	< 7.0		
Antimony	(Sb)	0.023	< 0.050		
Arsenic	(As)	0.026	< 0.060		
Barium	(Ba)	0.51	< 2.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.013	< 2.0		
Cadmium	(Cd)	< 0.009	< 0.050		
Lead	(Pb)	0.17	< 0.60		
Mercury	(Hg)	0.22	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	< 0.001	< 0.002		
Thorium	(Th)	0.001	< 0.002		
Uranium	(U)	0.030	< 0.060		
Nickel	(Ni)	0.05	< 0.30		
Silver	(Ag)	0.07	< 0.15		
Tin	(Sn)	0.19	< 0.30		
Titanium	(Ti)	0.95	< 0.70		
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS				PERCENTILE				
		RESULT µg/g	REFERENCE INTERVAL	2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	(Ca)	529	300– 1200					
Magnesium	(Mg)	120	35– 120					
Sodium	(Na)	13	20– 250					
Potassium	(K)	16	8– 75					
Copper	(Cu)	11	11– 37					
Zinc	(Zn)	160	140– 220					
Manganese	(Mn)	0.20	0.08– 0.60					
Chromium	(Cr)	0.49	0.40– 0.65					
Vanadium	(V)	0.043	0.018– 0.065					
Molybdenum	(Mo)	0.036	0.020– 0.050					
Boron	(B)	1.0	0.25– 1.5					
Iodine	(I)	3.0	0.25– 1.8					
Lithium	(Li)	< 0.004	0.007– 0.020					
Phosphorus	(P)	143	150– 220					
Selenium	(Se)	0.72	0.55– 1.1					
Strontium	(Sr)	2.0	0.50– 7.6					
Sulfur	(S)	46900	44000– 50000					
Cobalt	(Co)	0.004	0.005– 0.040					
Iron	(Fe)	9.9	7.0– 16					
Germanium	(Ge)	0.036	0.030– 0.040					
Rubidium	(Rb)	0.022	0.007– 0.096					
Zirconium	(Zr)	4.1	0.020– 0.42					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 07/28/2017		Ca/Mg	4.41	4– 30
Date Received: 08/03/2017		Ca/P	3.7	1– 12
Date Completed: 08/07/2017		Na/K	0.813	0.5– 10
Methodology: ICP/MS		Zn/Cu	14.5	4– 20
Sample Size: 0.197 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo: Argan Oil				

1. Symptoms include ADHD, frequent staph infections, emotional lability,
2. Dental History: Never had amalgams, Wisdom teeth removed at 16 years old. Braces at 12.
3. Current dental work: about 6 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. Medications: Adderall XR 20 mg, 3-4 times per week.
7. 20 yrs old, 5'7" 145 lbs.
8. None
9. Durango, CO