



SEX: Female
AGE: 54

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum	(Al)	10	< 7.0		
Antimony	(Sb)	< 0.01	< 0.050		
Arsenic	(As)	0.075	< 0.060		
Barium	(Ba)	0.64	< 2.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.016	< 2.0		
Cadmium	(Cd)	< 0.009	< 0.050		
Lead	(Pb)	0.43	< 0.60		
Mercury	(Hg)	< 0.03	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.002	< 0.060		
Nickel	(Ni)	0.05	< 0.30		
Silver	(Ag)	0.14	< 0.15		
Tin	(Sn)	0.11	< 0.30		
Titanium	(Ti)	0.24	< 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)	238	300– 1200					
Magnesium	(Mg)	23	35– 120					
Sodium	(Na)	170	20– 250					
Potassium	(K)	88	8– 75					
Copper	(Cu)	30	11– 37					
Zinc	(Zn)	130	140– 220					
Manganese	(Mn)	0.25	0.08– 0.60					
Chromium	(Cr)	0.40	0.40– 0.65					
Vanadium	(V)	0.046	0.018– 0.065					
Molybdenum	(Mo)	0.028	0.020– 0.050					
Boron	(B)	0.94	0.25– 1.5					
Iodine	(I)	3.3	0.25– 1.8					
Lithium	(Li)	0.007	0.007– 0.020					
Phosphorus	(P)	133	150– 220					
Selenium	(Se)	0.88	0.55– 1.1					
Strontium	(Sr)	1.5	0.50– 7.6					
Sulfur	(S)	47100	44000– 50000					
Cobalt	(Co)	0.005	0.005– 0.040					
Iron	(Fe)	9.0	7.0– 16					
Germanium	(Ge)	0.041	0.030– 0.040					
Rubidium	(Rb)	0.093	0.007– 0.096					
Zirconium	(Zr)	0.008	0.020– 0.42					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 07/17/2022		Ca/Mg	10.3	4– 30
Date Received: 08/05/2022		Ca/P	1.79	1– 12
Date Reported: 08/10/2022		Na/K	1.93	0.5– 10
Methodology: ICP/MS		Zn/Cu	4.33	4– 20
Sample Size: 0.203 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo: Shikai				

What are your current symptoms and health history? (brain fog, impaired thinking, some attention deficit, nausea for days - especially after taking chlorella, loss of memory, low energy, irritability, low testosterone, heart palpitations and anxiety.

Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc....) wisdom teeth removed, no root canals, braces yes, no amalgam fillings, only composite fillings

What dental work do you currently have in place? What part of the dental cleanup have you completed? 9 composite fillings

What dentistry did your mother have at any time before or during pregnancy? one or two fillings - unknown what type

What vaccinations have you had and when (including flu and especially travel shots)? Childhood vaccines and travel shots, hepatitis vaccine for work, otherwise none

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken. Was drinking nettle, horsetail, dandelion for calcium and liver support. Also liver and hormone support tinctures

Other information you feel may be relevant? Played with a ball of mercury as a child from thermometers. Ate tuna fish as a child. Have been lactovegetarian since age 18.

What is your location - city & country (so that we can learn where certain toxins are more prevalent). Umpqua, OR