

Toxic & Essential Elements; Hair

TOXIC METALS						
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE		
				68 th	95 th	
Aluminum (Al)		28	< 8.0			
Antimony (Sb)		0.014	< 0.066			
Arsenic (As)		0.032	< 0.080			
Barium (Ba)		0.35	< 0.75			
Beryllium (Be)		< 0.01	< 0.020			
Bismuth (Bi)		0.036	< 2.0			
Cadmium (Cd)		0.030	< 0.070			
Lead (Pb)		4.0	< 1.0			
Mercury (Hg)		0.05	< 0.40			
Platinum (Pt)		< 0.003	< 0.005			
Thallium (Tl)		< 0.001	< 0.002			
Thorium (Th)		0.001	< 0.002			
Uranium (U)		0.044	< 0.060			
Nickel (Ni)		0.26	< 0.30			
Silver (Ag)		0.07	< 0.20			
Tin (Sn)		0.15	< 0.30			
Titanium (Ti)		0.46	< 0.90			
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)		315	140- 500					
Magnesium (Mg)		36	15- 45					
Sodium (Na)		5	18- 180					
Potassium (K)		3	10- 150					
Copper (Cu)		73	11- 24					
Zinc (Zn)		170	100- 190					
Manganese (Mn)		0.23	0.10- 0.50					
Chromium (Cr)		0.35	0.43- 0.70					
Vanadium (V)		0.037	0.030- 0.10					
Molybdenum (Mo)		0.054	0.050- 0.13					
Boron (B)		0.32	0.40- 3.5					
Iodine (I)		0.48	0.25- 1.3					
Lithium (Li)		0.004	0.007- 0.020					
Phosphorus (P)		138	150- 220					
Selenium (Se)		0.69	0.70- 1.1					
Strontium (Sr)		0.55	0.19- 2.0					
Sulfur (S)		50800	45500- 53000					
Cobalt (Co)		0.045	0.005- 0.030					
Iron (Fe)		12	7.0- 16					
Germanium (Ge)		0.025	0.030- 0.040					
Rubidium (Rb)		0.011	0.012- 0.16					
Zirconium (Zr)		0.35	0.030- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 06/20/2014	Sample Size: 0.202 g	Ca/Mg	8.75	4 - 30
Date Received: 06/28/2014	Sample Type: Head	Ca/P	2.28	1 - 12
Date Completed: 07/01/2014	Hair Color: Brown	Na/K	1.67	0.5 - 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.33	4 - 20
	Shampoo: Avalon	Zn/Cd	> 999	> 800

Health history for hair test 982

What are your current symptoms and health history? Bed wetting, low thyroid symptoms (cold often), chronic vaginal yeast infections, fructose malabsorption, nut allergies, rashes/hives, regular pain upon urination.

- Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc
None

- What dental work do you currently have in place? What part of the dental clean-up have you completed? None

- What dentistry did your mother have at any time before or during pregnancy? 8 amalgams

- What vaccinations have you had and when (including flu and especially travel shots)? All normal childhood vax

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

- What is your age, height and weight? 5 years, 40lbs

- Other information you feel may be relevant? Mother is hair test number #865

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

Outside of Frankfurt, Germany