



SEX: Female
AGE: 33

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		4.1	< 7.0	
Antimony (Sb)		< 0.01	< 0.050	
Arsenic (As)		0.029	< 0.060	
Barium (Ba)		0.81	< 2.0	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		< 0.002	< 2.0	
Cadmium (Cd)		0.25	< 0.050	
Lead (Pb)		0.35	< 0.60	
Mercury (Hg)		0.20	< 0.80	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		0.006	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.091	< 0.060	
Nickel (Ni)		0.10	< 0.30	
Silver (Ag)		0.02	< 0.15	
Tin (Sn)		0.04	< 0.30	
Titanium (Ti)		0.38	< 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)		665	300- 1200		
Magnesium (Mg)		41	35- 120		
Sodium (Na)		22	20- 250		
Potassium (K)		5	8- 75		
Copper (Cu)		13	11- 37		
Zinc (Zn)		240	140- 220		
Manganese (Mn)		0.07	0.08- 0.60		
Chromium (Cr)		0.27	0.40- 0.65		
Vanadium (V)		0.015	0.018- 0.065		
Molybdenum (Mo)		0.023	0.020- 0.050		
Boron (B)		0.24	0.25- 1.5		
Iodine (I)		1.1	0.25- 1.8		
Lithium (Li)		0.008	0.007- 0.020		
Phosphorus (P)		161	150- 220		
Selenium (Se)		0.50	0.55- 1.1		
Strontium (Sr)		0.88	0.50- 7.6		
Sulfur (S)		49700	44000- 50000		
Cobalt (Co)		0.14	0.005- 0.040		
Iron (Fe)		7.1	7.0- 16		
Germanium (Ge)		0.029	0.030- 0.040		
Rubidium (Rb)		0.012	0.007- 0.096		
Zirconium (Zr)		0.016	0.020- 0.42		

SPECIMEN DATA		RATIOS	
COMMENTS: results checked		ELEMENTS	RATIOS
Date Collected: 11/29/2015	Sample Size: 0.203 g	Ca/Mg	16.2
Date Received: 12/10/2015	Sample Type: Head	Ca/P	4.13
Date Completed: 12/15/2015	Hair Color:	Na/K	4.4
Methodology: ICP/MS	Treatment:	Zn/Cu	18.5
	Shampoo:	Zn/Cd	960
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 1171

What are your current symptoms and health history?

Somnolence, brain fog, inability to concentrate, fatigue, no libido.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

Amalgam filling applied when I was a child, but they were removed in elementary school and replaced with composite ones. No wisdom teeth. No other extractions. No braces. Root canal job in 2011.

What dental work do you currently have in place? What part of the dental clean-up have you completed?

Nothing since 3 years.

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

She most likely had amalgam fillings (it was 35 years ago).

What vaccinations have you had and when (including flu and especially travel shots)?

Last vaccinations in elementary school (20 years ago). No flu or travel shots.

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

None.

What is your age, height and weight?

35 years, 162cm, 53kg

Other information you feel may be relevant?

Nothing. We don't see any sources of Mercury in our environment.

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

Whole life lived in Poland (Augustow), but last year living in Bayreuth, Germany.