

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.9	< 8.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.066	< 0.060	
Barium (Ba)	0.51	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.018	< 2.0	
Cadmium (Cd)	0.016	< 0.070	
Lead (Pb)	0.26	< 0.80	
Mercury (Hg)	0.13	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.084	< 0.060	
Nickel (Ni)	0.04	< 0.30	
Silver (Ag)	0.02	< 0.18	
Tin (Sn)	0.18	< 0.30	
Titanium (Ti)	0.23	< 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)	585	250- 800	
Magnesium (Mg)	110	25- 90	
Sodium (Na)	38	18- 180	
Potassium (K)	42	10- 90	
Copper (Cu)	20	11- 37	
Zinc (Zn)	170	120- 220	
Manganese (Mn)	0.08	0.08- 0.60	
Chromium (Cr)	0.35	0.40- 0.65	
Vanadium (V)	0.017	0.025- 0.10	
Molybdenum (Mo)	0.040	0.030- 0.090	
Boron (B)	0.89	0.30- 1.7	
Iodine (I)	0.30	0.25- 1.3	
Lithium (Li)	0.004	0.007- 0.020	
Phosphorus (P)	135	150- 220	
Selenium (Se)	0.65	0.70- 1.1	
Strontium (Sr)	0.87	0.37- 3.6	
Sulfur (S)	45900	44000- 51000	
Cobalt (Co)	0.006	0.005- 0.035	
Iron (Fe)	6.3	7.0- 16	
Germanium (Ge)	0.030	0.030- 0.040	
Rubidium (Rb)	0.044	0.008- 0.080	
Zirconium (Zr)	0.039	0.030- 0.40	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 1/13/2012	Sample Size: 0.199 g	Ca/Mg	5.32	4- 30
Date Received: 1/24/2012	Sample Type: Head	Ca/P	4.33	1- 12
Date Completed: 1/26/2012	Hair Color:	Na/K	0.905	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	8.5	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 586

1. What are your current symptoms and health history?-
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)
3. What dental work do you currently have in place? What part of the dental clean-up have you completed?
4. What dentistry did your mother have at any time before or during pregnancy?
5. What vaccinations have you had and when (including flu and especially travel shots)?
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?
7. What is your age, height and weight?
8. Other information you feel may be relevant?
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).

She is autistic with apraxia

None dental work except a check-up and normal dental cleaning with a tooth brush and fluoride toothpaste (I know it's bad but at the time I didn't know)

The mother had some ceramic(with metal underneath) crowns

All the vaccines up to 2 years of age (22 total) + one against tuberculosis in Europe

Methyl B-12 shots every 3 days

Biotin 30 mg daily

Sonic cholesterol daily

10 drops of GSE daily+ Oregano oil-3 drops

Vit.C 600 mg daily

Vit D-4000 IU daily

vit.A-12 000 IU daily

Vit E-200 IU daily

Vit B1-8 mg daily

Vit.B2-12 mg daily

Vit.B6-8mg daily

P5P-2 mg

Magnesium (oxide,citrate,glycinat) 250 mg daily

Zinc(citrate) 40 mg daily

Chromium(amino acid chelate)-120 mcg daily

Alpha Ketogl.Acid- 300 mg daily

Taurine-400 mg daily

Boron 1.2 mg daily

Omega 3-6-9 1 tsp- total of 2600 mg of omegas daily

Probiotics-30 billion live bacterias /daily

4 months ago she was taking 1g of Chlorela /daily (for about 5 months)

She is 6 years old, 40 lb., 44 inches tall

We live in Philadelphia area (north-western part)-Ambler , PA, USA for the last 10 months..the previous year we lived in York PA,USA(for 1 year) and before that we lived in Bulgaria ,Europe for 2 1/2 years