

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	13	< 8.0	
Antimony (Sb)	0.48	< 0.066	
Arsenic (As)	0.60	< 0.080	
Barium (Ba)	0.62	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.068	< 2.0	
Cadmium (Cd)	0.35	< 0.070	
Lead (Pb)	26	< 1.0	
Mercury (Hg)	1.6	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.003	< 0.002	
Uranium (U)	0.004	< 0.060	
Nickel (Ni)	0.69	< 0.20	
Silver (Ag)	15	< 0.20	
Tin (Sn)	1.1	< 0.30	
Titanium (Ti)	0.59	< 1.0	
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)	176	125- 370	
Magnesium (Mg)	15	12- 30	
Sodium (Na)	180	20- 200	
Potassium (K)	180	12- 200	
Copper (Cu)	16	11- 18	
Zinc (Zn)	60	100- 190	
Manganese (Mn)	0.78	0.10- 0.50	
Chromium (Cr)	0.85	0.43- 0.80	
Vanadium (V)	0.19	0.030- 0.10	
Molybdenum (Mo)	0.16	0.050- 0.13	
Boron (B)	4.1	0.70- 5.0	
Iodine (I)	2.3	0.25- 1.3	
Lithium (Li)	0.009	0.007- 0.020	
Phosphorus (P)	132	150- 220	
Selenium (Se)	0.73	0.70- 1.1	
Strontium (Sr)	0.55	0.16- 1.0	
Sulfur (S)	44700	45500- 53000	
Cobalt (Co)	0.029	0.004- 0.020	
Iron (Fe)	23	7.0- 16	
Germanium (Ge)	0.024	0.030- 0.040	
Rubidium (Rb)	0.44	0.016- 0.18	
Zirconium (Zr)	0.075	0.040- 1.0	
SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 07/18/2013		Ca/Mg	11.7
Date Received: 07/26/2013		Ca/P	1.33
Date Completed: 07/27/2013		Na/K	1
Methodology: ICP/MS		Zn/Cu	3.75
Sample Size: 0.199 g	Sample Type: Head	Zn/Cd	171
Hair Color: Blond	Treatment:		
Shampoo: Earth Mama			
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 827

1. Current Symptoms: Difficult to determine, as child is 19 months old. Appears to be typically developing at this stage, speech development is a little slow but is still developing, he can say approximately 12 words at 19 months old. Health history: Child's mother had amalgams in place for over 15 years prior to conception, and is Hg Toxic, currently chelating as per AC protocol (mother has severe depression/anxiety, hot/cold sensation in hands and feet after amalgam removal, low adrenal function, etc). Mother also sanded back and re-painted house whilst pregnant.... later found out paint was Lead paint, so likely high lead exposure to child in utero whilst pregnant.

2. No dental history as the child is 19 months old. (mother's dental history was 3 large amalgams, removed when child was 10 months old, mother ceased to breastfeed 2 weeks after amalgam removal, so child's possible Hg exposure ceased at 10.5 months old when breastfeeding stopped).

3. Mother of child has had 2 upper wisdom teeth and one lower wisdom tooth extracted. Also had a bottom root canal amalgam filled tooth extracted, and 2 more amalgam fillings replaced. No more amalgam fillings, and no root canals as the one root canal was extracted.

4. Answered above

5. Received standard vaccinations at birth, 6 weeks, and 6 months old. Ceased vaccinations at that point, so has not received the 12 month and 18 month vaccinations. Therefore, child has not had the MMR vaccination.

6. Child not taking any supplements or medications, but is kept on the full GAPS diet at this time, avoiding all grains.

7. Age: 19 months old, Weight: 12 kg's,

8. Development appears fairly but normal at this stage, but the mother's affliction with amalgam illness and the results of the child's hair test are highly concerning. As stated, Lead exposure is highly likely due to mother sanded back lead based paint in a 3 bedroom home throughout the pregnancy of the child. Child was sleeping on a standard innerspring mattress (treated with fire retardants like arsenic etc), but mother has now purchased fully organic safe mattress for child, free of any chemicals etc (arsenic levels of child extremely high in hair test results). Mother is fairly Hg toxic, struggling with severe anxiety/depression, low adrenals, food intolerances, etc.

9. Location: Townsville, North Queensland, Australia