

SEX: male
AGE: 6

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	6.0	< 8.0	
Antimony (Sb)	0.032	< 0.066	
Arsenic (As)	0.054	< 0.080	
Barium (Ba)	0.16	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.20	< 2.0	
Cadmium (Cd)	0.037	< 0.070	
Lead (Pb)	0.83	< 1.0	
Mercury (Hg)	2.5	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.026	< 0.060	
Nickel (Ni)	0.50	< 0.20	
Silver (Ag)	0.35	< 0.14	
Tin (Sn)	0.06	< 0.30	
Titanium (Ti)	0.70	< 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)	559	160- 500	
Magnesium (Mg)	310	12- 50	
Sodium (Na)	6	20- 200	
Potassium (K)	3	12- 140	
Copper (Cu)	300	11- 32	
Zinc (Zn)	270	110- 190	
Manganese (Mn)	0.11	0.08- 0.50	
Chromium (Cr)	0.51	0.40- 0.70	
Vanadium (V)	0.15	0.025- 0.10	
Molybdenum (Mo)	0.033	0.040- 0.090	
Boron (B)	0.87	0.50- 3.5	
Iodine (I)	0.49	0.25- 1.3	
Lithium (Li)	0.007	0.007- 0.020	
Phosphorus (P)	150	150- 220	
Selenium (Se)	0.67	0.70- 1.1	
Strontium (Sr)	0.64	0.21- 2.1	
Sulfur (S)	49800	44000- 51000	
Cobalt (Co)	0.018	0.004- 0.020	
Iron (Fe)	9.4	7.0- 16	
Germanium (Ge)	0.038	0.030- 0.040	
Rubidium (Rb)	0.006	0.008- 0.080	
Zirconium (Zr)	0.36	0.060- 0.70	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 02/19/2014	Sample Size: 0.204 g	Ca/Mg	1.8
Date Received: 02/25/2014	Sample Type: Head	Ca/P	3.73
Date Completed: 02/26/2014	Hair Color:	Na/K	2
Methodology: ICP/MS	Treatment:	Zn/Cu	0.9
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

Health history for hair test 1043

1. What are your current symptoms and health history?

6 o.y w regressive moderate –severe autism, minimally verbal, apraxia, an assortment of behavioral, social problems. Has a twin non-autistic brother.

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

Perfect teeth.

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

None.

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

Mother had several silver fillings when pregnant.

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

Everything as scheduled up to 2 y.o. Skipped all vacs at 5 y.o.

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

Mitospectra 1.5 per day (A, C, E, B-5, CoQ10 and carnitine), zinc 20 mg, Carlson fish oil 1 tbs, Neuroprotec 2 capsules, D 4000mg, daily Epsom salt baths, water kefir

7. What is your age, height and weight?

6y.o., 50 inches, 49 pounds

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).

Tallahassee, FL