



Number 812
SEX: Female
AGE: 9

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	18	< 8.0	
Antimony (Sb)	0.059	< 0.066	
Arsenic (As)	0.019	< 0.060	
Barium (Ba)	0.73	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.20	< 2.0	
Cadmium (Cd)	0.034	< 0.070	
Lead (Pb)	1.3	< 0.80	
Mercury (Hg)	0.06	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.005	< 0.060	
Nickel (Ni)	0.39	< 0.30	
Silver (Ag)	0.18	< 0.18	
Tin (Sn)	0.20	< 0.30	
Titanium (Ti)	2.6	< 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)	813	250- 800	
Magnesium (Mg)	27	25- 90	
Sodium (Na)	26	18- 180	
Potassium (K)	3	10- 90	
Copper (Cu)	140	11- 37	
Zinc (Zn)	210	120- 220	
Manganese (Mn)	0.29	0.08- 0.60	
Chromium (Cr)	0.41	0.40- 0.65	
Vanadium (V)	0.088	0.025- 0.10	
Molybdenum (Mo)	0.043	0.030- 0.090	
Boron (B)	0.60	0.30- 1.7	
Iodine (I)	12	0.25- 1.3	
Lithium (Li)	0.004	0.007- 0.020	
Phosphorus (P)	127	150- 220	
Selenium (Se)	0.69	0.70- 1.1	
Strontium (Sr)	1.7	0.37- 3.6	
Sulfur (S)	45900	44000- 51000	
Cobalt (Co)	0.023	0.005- 0.035	
Iron (Fe)	9.1	7.0- 16	
Germanium (Ge)	0.033	0.030- 0.040	
Rubidium (Rb)	0.008	0.008- 0.080	
Zirconium (Zr)	1.0	0.030- 0.40	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 06/29/2013		Ca/Mg	30.1
Date Received: 07/05/2013		Ca/P	6.4
Date Completed: 07/08/2013		Na/K	8.67
Methodology: ICP/MS		Zn/Cu	1.5
Sample Size: 0.198 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Blond	Treatment:		
Shampoo: Bed Head Tigi			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	

What are your current symptoms and health history? 9 year old, difficult time getting calmed down at night and going to bed/sleeping. craves carbs (crackers/pretzels) and sugar. frequent stomach ache, says hurts whenever she eats. we wonder if she has food sensitivities or digestion issues. Not getting a very diverse diet in her: cereal/milk, egg salad sandwich, grilled cheese, sometimes chicken fingers, lots of crackers, pretzels and fruit/juices. Has some anxiety in crowds or being on stage (choir, violin... does it well despite it). gets sick easily (flu, virus, sore throats, sinus infections). has had many rounds of antibiotics. misses many days of school due to sudden illness with fever (flu, strep throat). also gets recurring mouth ulcers and tonsil stones and plantar warts. Requires a lot of reminding and coaxing to get thru homework and tasks; lots of reminding along the way. gets distracted easily along the way. is a good reader but does not seem to have the patience/focus to sit and read alone. takes deep interest in many things and wants to share them urgently. highly insistent on sharing her thoughts, getting/doing something she is interested in; becomes temporarily ultra focused on it and has hard time letting it go and moving on. very detail oriented when focused. extreme moodiness if misses an afternoon snack or eats dinner late. thinking she gets hypoglycemic easily. Physically tall and very lean. a fast runner, seems very physically coordinated. gets overheated easily, does not do well with heat (live in south w/ hot humid climate during summer). highly compassionate and a big help with other children her age and younger; always representing the underdog.

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) one white filling in baby tooth.

What dental work do you currently have in place? What part of the dental clean-up have you completed? one white filling in baby tooth.

What dentistry did your mother have at any time before or during pregnancy? unknown. dont think any during. but she has multiple amalgams and likely had some work done within the year before pregnancy (replacement fillings likely)

What vaccinations have you had and when (including flu and especially travel shots)? all vaccinations. flu nasal mists. no travel shots.

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? no supplements. Takes a single gummy vite vitamimin most days.

What is your age, height and weight? 9. 50 inches tall and 70 pounds. tall and thin

Other information you feel may be relevant? basic concern has been around ability to concentrate/focus on tasks, getting sick easily/frequently, stomach hurting when eating, hypoglycemic triggered behavior, and recently stomach hurting while travelling in car.

I am the father and have been following Cutlers protocol for 1.5 years on 55th round. Had mouth full of amalgams and gold crown. all removed. lots of supplements and restricted diet for me is helping. need to continue ALA for another year i expect. amalgum illness hit me hard so i am concerned that daughter may be genetically extra sensitive to HD toxins as well. although she has no amalgams, the vaccines, mothers amalgams and environmental toxins might be present and disrupting her essential element transport. has 4 elements off the chart in Red zone. Appears she has high copper too, not sure how to proceed... counting rule 2 looks like a Yes. do we chelate copper first, or assume high probability of mercury and chelate with ALA and just keep copper-foods to a minimum in her diet at the same time?

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