



SEX: Male
AGE: 4

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		34	< 8.0	
Antimony (Sb)		0.21	< 0.066	
Arsenic (As)		0.31	< 0.080	
Barium (Ba)		1.5	< 0.50	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.034	< 2.0	
Cadmium (Cd)		0.076	< 0.070	
Lead (Pb)		2.4	< 1.0	
Mercury (Hg)		0.31	< 0.40	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		0.001	< 0.002	
Thorium (Th)		0.009	< 0.002	
Uranium (U)		0.009	< 0.060	
Nickel (Ni)		0.39	< 0.20	
Silver (Ag)		0.15	< 0.20	
Tin (Sn)		0.29	< 0.30	
Titanium (Ti)		0.95	< 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)		664	125- 370		
Magnesium (Mg)		110	12- 30		
Sodium (Na)		40	20- 200		
Potassium (K)		31	12- 200		
Copper (Cu)		13	11- 18		
Zinc (Zn)		160	100- 190		
Manganese (Mn)		0.73	0.10- 0.50		
Chromium (Cr)		1.2	0.43- 0.80		
Vanadium (V)		0.066	0.030- 0.10		
Molybdenum (Mo)		0.12	0.050- 0.13		
Boron (B)		0.94	0.70- 5.0		
Iodine (I)		0.30	0.25- 1.3		
Lithium (Li)		0.019	0.007- 0.020		
Phosphorus (P)		169	150- 220		
Selenium (Se)		0.58	0.70- 1.1		
Strontium (Sr)		1.6	0.16- 1.0		
Sulfur (S)		47000	45500- 53000		
Cobalt (Co)		0.12	0.004- 0.020		
Iron (Fe)		33	7.0- 16		
Germanium (Ge)		0.030	0.030- 0.040		
Rubidium (Rb)		0.071	0.016- 0.18		
Zirconium (Zr)		0.12	0.040- 1.0		

SPECIMEN DATA		RATIOS		
COMMENTS: Results checked.		ELEMENTS	RATIOS	RANGE
Date Collected: 09/04/2013	Sample Size: 0.204 g	Ca/Mg	6.04	4- 30
Date Received: 10/15/2013	Sample Type: Head	Ca/P	3.93	0.8- 8
Date Completed: 10/18/2013	Hair Color:	Na/K	1.29	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	12.3	4- 20
	Shampoo:	Zn/Cd	> 999	> 800



SEX: Male
AGE: 5

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	13	< 8.0	
Antimony (Sb)	0.13	< 0.066	
Arsenic (As)	0.036	< 0.080	
Barium (Ba)	1.2	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.004	< 2.0	
Cadmium (Cd)	0.048	< 0.070	
Lead (Pb)	1.2	< 1.0	
Mercury (Hg)	0.04	< 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)	0.23	< 0.20	
Silver (Ag)	0.06	< 0.20	
Tin (Sn)	0.24	< 0.30	
Titanium (Ti)	0.47	< 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)	810	125- 370			
Magnesium (Mg)	250	12- 30			
Sodium (Na)	58	20- 200			
Potassium (K)	23	12- 200			
Copper (Cu)	9.3	11- 18			
Zinc (Zn)	150	100- 190			
Manganese (Mn)	1.1	0.10- 0.50			
Chromium (Cr)	0.39	0.43- 0.80			
Vanadium (V)	0.046	0.030- 0.10			
Molybdenum (Mo)	0.061	0.050- 0.13			
Boron (B)	16	0.70- 5.0			
Iodine (I)	0.31	0.25- 1.3			
Lithium (Li)	0.006	0.007- 0.020			
Phosphorus (P)	185	150- 220			
Selenium (Se)	1.5	0.70- 1.1			
Strontium (Sr)	3.5	0.16- 1.0			
Sulfur (S)	44900	45500- 53000			
Cobalt (Co)	0.015	0.004- 0.020			
Iron (Fe)	13	7.0- 16			
Germanium (Ge)	0.026	0.030- 0.040			
Rubidium (Rb)	0.046	0.016- 0.18			
Zirconium (Zr)	0.023	0.040- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 04/25/2015	Sample Size: 0.201 g	Ca/Mg	3.24	4- 30
Date Received: 05/05/2015	Sample Type: Head	Ca/P	4.38	0.8- 8
Date Completed: 05/07/2015	Hair Color: Black	Na/K	2.52	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	16.1	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Hair test history for hair test 1093 and 1094

Will you be able to tell me if they still have adrenal stress, lead toxicity and mercury toxicity and any nutrients that they are lacking...

They have just finished round 47 and are currently doing 12.5mg ALA only. I stopped giving them DMSA at round 39. I have given them ALA and DMSA combo for about 20 rounds out of the 39 rounds.

These are the answers to the following questions:

1. What are your current symptoms and health history? They are ok. Timi (1093) has the occasional cold and wheezes. Toyo (1094) is fine and doesn't fall ill.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) N/A
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? N/A
4. What dentistry did your mother have at any time before or during pregnancy? None . (had braces from the age of 19 to 21)
5. What vaccinations have you had and when (including flu and especially travel shots)? All vaccines up to 15 months old
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

DMSA build up to 8mg
ALA build up to 8mg
Essential 4 4 caps a day
Essential multi 3 caps a day
Adrenergize 2 caps a day
probiotics - pro bio gold
milk thistle - 3 times a day
co enzyme - 1 capsule a day
selenium - 1 capsule a day
Rhodiola - 1 capsule a day
Nordic natural omega one a day
Digestive enzyme

1. What is your age, height and weight?

5 year old twins. 21kg each, Height 48inches tall

1. Other information you feel may be relevant?

They have made a lot of progress whilst on chelation and don't really have much yeast issues . Cognition is good and they are intelligent and verbal (3.5 to 4 years old level). They need to pay more attention though and have to be more social

1. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Cape town from Jan 2014.

Thanks a lot!
Much appreciated