

Toxic & Essential Elements; Hair

TOXIC METALS

		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum (Al)		2.8	< 8.0	██████████	
Antimony (Sb)		0.011	< 0.066	██████████	
Arsenic (As)		0.11	< 0.080	██████████	
Barium (Ba)		0.13	< 0.75	██████████	
Beryllium (Be)		< 0.01	< 0.020	██████████	
Bismuth (Bi)		0.027	< 2.0	██████████	
Cadmium (Cd)		< 0.009	< 0.070	██████████	
Lead (Pb)		0.19	< 1.0	██████████	
Mercury (Hg)		0.10	< 0.40	██████████	
Platinum (Pt)		< 0.003	< 0.005	██████████	
Thallium (Tl)		0.001	< 0.002	██████████	
Thorium (Th)		< 0.001	< 0.002	██████████	
Uranium (U)		0.002	< 0.060	██████████	
Nickel (Ni)		0.03	< 0.30	██████████	
Silver (Ag)		0.08	< 0.20	██████████	
Tin (Sn)		0.06	< 0.30	██████████	
Titanium (Ti)		0.55	< 0.90	██████████	
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)		398	140- 500			██████████		
Magnesium (Mg)		35	15- 45			██████████		
Sodium (Na)		71	18- 180			██████████		
Potassium (K)		84	10- 150			██████████		
Copper (Cu)		8.8	11- 24		██████████			
Zinc (Zn)		160	100- 190			██████████		
Manganese (Mn)		0.09	0.10- 0.50			██████████		
Chromium (Cr)		0.42	0.43- 0.70			██████████		
Vanadium (V)		0.044	0.030- 0.10			██████████		
Molybdenum (Mo)		0.059	0.050- 0.13			██████████		
Boron (B)		19	0.40- 3.5			██████████		
Iodine (I)		0.29	0.25- 1.3			██████████		
Lithium (Li)		< 0.004	0.007- 0.020	██████████				
Phosphorus (P)		179	150- 220			██████████		
Selenium (Se)		0.59	0.70- 1.1			██████████		
Strontium (Sr)		0.49	0.19- 2.0			██████████		
Sulfur (S)		48500	45500- 53000			██████████		
Cobalt (Co)		0.005	0.005- 0.030			██████████		
Iron (Fe)		8.6	7.0- 16			██████████		
Germanium (Ge)		0.028	0.030- 0.040			██████████		
Rubidium (Rb)		0.15	0.012- 0.16			██████████		
Zirconium (Zr)		0.029	0.030- 1.0			██████████		

SPECIMEN DATA

COMMENTS:

Date Collected: 07/27/2013
 Date Received: 08/02/2013
 Date Completed: 08/04/2013
 Methodology: ICP/MS

Sample Size: 0.199 g
 Sample Type: Head
 Hair Color: Black
 Treatment:
 Shampoo: The Wiggles

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	11.4	4- 30
Ca/P	2.22	1- 12
Na/K	0.845	0.5- 10
Zn/Cu	18.2	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 872

My daughter has been diagnosed with Asd Oct 2012. She is now 5yrs and 2months old. It all started when she was 2.5yrs old when I realised her speech was not appropriate to her age and she did have some repetitive actions. She is also bilingual.

My daughter is fairly healthy child, she has a little bit of eczema problem. She has been gluten free and dairy free for 4 monthswith some improvements.

My daughter has no dental problems at this point. I had dental work done [Bridging] around 1.5 yrs before I had my daughter. With removal of some fillings? The dental work was done in India I don't remember what chemicals were used.

My daughter had all her vaccination done until 4yrs, since i had no idea of the harm they cause at that time. I don't think i had any Vaccinations before or during pregnancy. I did suffer from hair loss[Alopecia] so had steroid injection once in Adelaide by dermatologist around a 1year and 2 months before pregnancy.

We see a Bio medical practitioner. I am giving these medications:

*Cod -liver oil.....5mls

*DMG2mls

*D33drops

*vit B121tablet.

*selenium2drops

*evening primrose.....1tablet

*Zinc1ml

Folate 1 tablet once every5 days .

Since with blood tests it said she has 2 copies of mutations.

At the time of Hair test, my daughter was taking , Cod liver oil, D3, Evening Primrose and Zinc only.

We live in Adelaide, South Australia. She was born here. Until she was 3.9 yrs we lived in the suburb which was close to Mitsubishi car Company. The company is closed now.