

Toxic & Essential Elements; Hair

TOXIC METALS				PERCENTILE	
		RESULT µg/g	REFERENCE INTERVAL	68 th	95 th
Aluminum (Al)		6.1	< 12		
Antimony (Sb)		0.024	< 0.080		
Arsenic (As)		0.088	< 0.12		
Barium (Ba)		0.39	< 1.5		
Beryllium (Be)		< 0.01	< 0.020		
Bismuth (Bi)		0.030	< 2.0		
Cadmium (Cd)		0.012	< 0.065		
Lead (Pb)		0.38	< 1.5		
Mercury (Hg)		0.08	< 0.80		
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)		0.06	< 0.40		
Silver (Ag)		0.02	< 0.10		
Tin (Sn)		0.10	< 0.30		
Titanium (Ti)		0.29	< 0.70		
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS				PERCENTILE				
		RESULT µg/g	REFERENCE INTERVAL	2.5 th	16 th	50 th	84 th	97.5 th
Calcium (Ca)		776	375- 1100					
Magnesium (Mg)		180	40- 140					
Sodium (Na)		57	60- 400					
Potassium (K)	pot citrate	42	28- 160					
Copper (Cu)		68	11- 32					
Zinc (Zn)		310	120- 200					
Manganese (Mn)		0.16	0.15- 0.65					
Chromium (Cr)		0.38	0.40- 0.70					
Vanadium (V)		0.010	0.018- 0.065					
Molybdenum (Mo)		0.042	0.040- 0.080					
Boron (B)		0.94	0.40- 2.5					
Iodine (I)		0.29	0.25- 1.8					
Lithium (Li)	*	< 0.004	0.008- 0.030					
Phosphorus (P)		231	200- 300					
Selenium (Se)		1.1	0.80- 1.3					
Strontium (Sr)	try sprinkle MTR cap	0.87	1.0- 6.0					
Sulfur (S)		46300	41000- 47000					
Cobalt (Co)	4-2 drops	0.005	0.006- 0.035					
Iron (Fe)	Hydroxy	6.7	7.0- 16					
Germanium (Ge)	Adenosyl	0.028	0.030- 0.040					
Rubidium (Rb)	B5	0.044	0.030- 0.25					
Zirconium (Zr)		0.058	0.040- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 01/19/2013	Sample Size: 0.201 g	Ca/Mg	4.31	4 - 30
Date Received: 01/25/2013	Sample Type: Pubic	Ca/P	3.36	0.8 - 8
Date Completed: 01/28/2013	Hair Color: Brown	Na/K	1.36	0.5 - 10
Methodology: ICP/MS	Treatment:	Zn/Cu	4.56	4 - 20
	Shampoo:	Zn/Cd	> 999	> 800

EDTA soap
A1298C cap
Metal Awg

amazing
molybdenum
zinc

zinc

lozange
sprinkle

work with
your
doctor
on lithium
support

Oral Triplex



SEX: Male
AGE: 27

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	0.9	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.078	< 0.080	
Barium (Ba)	0.13	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.046	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.06	< 0.80	
Mercury (Hg)	0.08	< 0.80	
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)	0.01	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.09	< 0.30	
Titanium (Ti)	0.18	< 0.60	
Total Toxic Representation			

PLEASE
PS/PE/PC + DHA
+ 4 drop Adrenaline
! 1 drop Hydroxy
2nd/or Black Box

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	273	200- 750	
Magnesium (Mg)	56	25- 75	
Sodium (Na)	41	20- 180	
Potassium (K)	5	9- 80	
Copper (Cu)	11	11- 30	
Zinc (Zn)	220	130- 200	
Manganese (Mn)	0.08	0.08- 0.50	
Chromium All in One (Cr)	0.33	0.40- 0.70	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.029	0.025- 0.060	
Boron (B)	0.71	0.40- 3.0	
Iodine (I)	1.8	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	169	150- 220	
Selenium (Se)	0.77	0.70- 1.2	
Strontium (Sr)	0.37	0.30- 3.5	
Sulfur (S)	48400	44000- 50000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	4.4	7.0- 16	
Germanium (Ge)	0.032	0.030- 0.040	
Rubidium (Rb)	0.009	0.011- 0.12	
Zirconium (Zr)	0.028	0.020- 0.44	

Inc. Pot Citrate
Zinc lozage
should be in
place
STILL AN
ISSUE
Work with
your
doctor on
"All in One"
+
Inc. Be-Gem
Spray +
Lithium Citrate

COMMENTS:	SPECIMEN DATA		RATIOS		
	ELEMENTS	RATIOS	RANGE		
Date Collected: 06/20/2013	Ca/Mg	4.88	4- 30		
Date Received: 06/24/2013	Ca/P	1.62	0.8- 8		
Date Completed: 06/25/2013	Na/K	8.2	0.5- 10		
Methodology: ICP/MS	Zn/Cu	20	4- 20		
	Zn/Cd	> 999	> 800		

Sample Size: 0.199 g
Sample Type: Head
Hair Color: Brown
Treatment:
Shampoo: Tea Tree Oil



SEX: Male
AGE: 27

Toxic & Essential Elements; Packed Red Blood Cells

ESSENTIAL AND OTHER ELEMENTS								
	RESULT / UNIT	REFERENCE INTERVAL	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Calcium (Ca)	10 µg/g	8 - 25						
Magnesium (Mg)	48 µg/g	39 - 59						
Potassium (K)	80 mEq/L	70 - 90						
Phosphorus (P)	584 µg/g	510 - 700						
Copper (Cu)	0.70 µg/g	0.52 - 0.80						
Zinc (Zn)	11.4 µg/g	8.6 - 14.5						
Iron (Fe)	954 µg/g	800 - 1020						
Manganese (Mn)	0.014 µg/g	0.008 - 0.029						
Chromium (Cr)	0.0004 µg/g	0.0003 - 0.0020						
Selenium (Se)	0.18 µg/g	0.19 - 0.50						
Boron (B)	0.049 µg/g	0.01 - 0.110						
Vanadium (V)	0.0001 µg/g	0.0001 - 0.0005						
Molybdenum (Mo)	0.0009 µg/g	0.0006 - 0.0020						

TOXIC METALS					
	RESULT / UNIT	REFERENCE INTERVAL	PERCENTILE		
			95 th	99 th	
Arsenic (As)	0.005 µg/g	< 0.010			
Cadmium (Cd)	0.001 µg/g	< 0.002			
Lead (Pb)	0.011 µg/g	< 0.060			
Mercury (Hg)	0.001 µg/g	< 0.010			
Thallium (Tl)	< 0.0001 µg/g	< 0.0005			

SPECIMEN DATA

Comments:

Date Collected: 06/25/2013
Date Received: 06/27/2013
Date Completed: 06/30/2013

Methodology: ICP-MS

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.1	< 7.0	
Antimony (Sb)	0.020	< 0.066	
Arsenic (As)	0.044	< 0.080	
Barium (Ba)	0.19	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.020	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.17	< 0.80	
Mercury (Hg)	< 0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.004	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.06	< 0.30	
Titanium (Ti)	0.38	< 0.60	
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)	417	200- 750	
Magnesium (Mg)	61	25- 75	
Sodium (Na)	30	20- 180	
Potassium (K)	12	9- 80	
Copper (Cu)	14	11- 30	
Zinc (Zn)	280	130- 200	
Manganese (Mn)	0.06	0.08- 0.50	
Chromium (Cr)	0.28	0.40- 0.70	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.028	0.025- 0.060	
Boron (B)	0.91	0.40- 3.0	
Iodine (I)	1.5	0.25- 1.8	
Lithium (Li)	0.012	0.007- 0.020	
Phosphorus (P)	171	150- 220	
Selenium (Se)	0.92	0.70- 1.2	
Strontium (Sr)	0.58	0.30- 3.5	
Sulfur (S)	47700	44000- 50000	
Cobalt (Co)	0.003	0.004- 0.020	
Iron (Fe)	6.7	7.0- 16	
Germanium (Ge)	0.019	0.030- 0.040	
Rubidium (Rb)	0.014	0.011- 0.12	
Zirconium (Zr)	0.043	0.020- 0.44	

SPECIMEN DATA	RATIOS		
COMMENTS:	ELEMENTS	RATIOS	RANGE
Date Collected: 07/27/2014	Ca/Mg	6.84	4- 30
Date Received: 08/01/2014	Ca/P	2.44	0.8- 8
Date Completed: 08/03/2014	Na/K	2.5	0.5- 10
Methodology: ICP/MS	Zn/Cu	20	4- 20
	Zn/Cd	> 999	> 800
Sample Size: 0.201 g			
Sample Type: Head			
Hair Color: Brown			
Treatment:			
Shampoo: Trader Joes			

Hair Test 722 5 month Update (7/1/2013)

All my symptoms are pretty much still the same including bad systemic candidiasis that does not respond to natural antifungals.

Improvements - Increased sense of smell, taste and hearing and weight gain (I believe this was the zinc)

New symptoms (since introducing zinc for high copper) - Extreme fatigue, leg pain, migraines, lower jaw tremors, short term memory problems, and brain fog

Copper was definitely a problem for me and I think I resolved most of it because I no longer get bad copper dumps as I did when I first started zinc.

Supplements (x2 Morning and Evening)

- Vitamin A (palmitate) 5,000 IU
- D-3 (cholecalciferol) 200IU
- Vitamin C (ascorbic acid) 1,000mg
- Vitamin E (d-alpha tocopheryl acetate) 200 IU
- B-5 Pantothenic Acid 250mg
- Biotin 5mg
- Zinc gluconate 6.25 mg
- Molybdenum 250mcg
- Magnesium Citrate 225mg
- Flax Oil 1.5g

I have not started chelation yet. I plan to start with 5mg of DMSA within the next few weeks. I also plan on requesting DMPS from my doctor at my next appointment in 3 weeks.

1) What are your current symptoms and health history?

All my problems started shortly after taking a few courses of antibiotics for a recurrent ear infection. This included:

- Chronic Candidiasis
 - Chronic clogged ears
 - Itching peeling ear canals
 - Tinnitus
 - Red flushed face, esp after eating
 - Hot flashes, esp after eating
 - Constant chills, esp after eating (cold then hot)
 - Chronic itchy scalp and dandruff
 - Chronic sore throat
 - Intolerance to colder temperature (cold all the time)
 - Oral thrush
 - Tonsil stones
 - White coated tongue
 - Bad breath
 - Dry Mouth (esp at night)
 - Body Odor
 - Recessed gum line and sensitive gums
 - Acne
 - Jock Itch
 - Athlete's foot
 - Toenail fungus
 - Rectal itch
 - Anal fissures
 - Mucus in urine and stools
 - Itchy/peeling skin patches (knees and armpits)
 - Dry Skin (mostly face)
 - Gallbladder pain (sludge or gravel)
 - Bloating
 - Chronic anxiety
 - Anxiety attacks
 - Depression
 - Bouts of anger
 - Inability to concentrate
 - Chronic Fatigue
 - Hangover feeling in the morning without alcohol use
 - Eye floaters
 - Sensitivity to light (esp fluorescent and LCD computer monitors)
 - Shaky Vision
 - Obsessive Compulsive Disorder

2) Dental history

I have never had amalgam fillings. I had some composite baby fillings and only one small composite filling in my adult teeth. I never had braces and still have my wisdom teeth. No root canals.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

1 small composite filling

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

My mother has about 10 amalgam fillings that she had since she was young

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

DTP Vaccine	10/9/1990, 9/22/1986, 2/21/1986, 12/20/1985, 10/18/1985
Hepatitis B, 0-19 yrs	3/13/2001, 10/18/2000, 9/7/2000
MMR-VAR:Measles/Mumps/Rubella/Varicella	3/25/1987
MMR: Measles/Mumps/Rubella Vaccine	9/7/2000
OPV: Polio Virus Vaccine (Oral)	10/9/1990
TD:Tetanus/Diphtheria (ADULT)	9/7/2000
TDAP (age 11 and older)(Adacel)	5/17/2012

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

- Daily Multivitamin (contained Copper, Zinc, Molybdenum and Iodine)
- Vitamin C 3g
- SF722 (For Candida) 250mg x 3

7) Other information you feel may be relevant?

I was recently given a natural Heavy Metal cleanse by my naturopath which was Premiere Research HM Detox Caps which I had a severe psychotic reaction with just 6 small doses that I stopped immediately.

My post about this incident can be found here

<http://health.groups.yahoo.com/group/frequent-dose-chelation/message/100386>

I also suspect whatever metal that is in my system is concentrated in my liver/gallbladder causing congestion. Everytime I feel something pass in my bile ducts I get a severe anxiety/depression reaction.

8) What is your location

Central Pennsylvania