

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	16	< 8.0	
Antimony (Sb)	0.25	< 0.066	
Arsenic (As)	0.086	< 0.080	
Barium (Ba)	0.85	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.041	< 2.0	
Cadmium (Cd)	0.27	< 0.070	
Lead (Pb)	4.6	< 1.0	
Mercury (Hg)	0.18	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.014	< 0.060	
Nickel (Ni)	0.88	< 0.30	
Silver (Ag)	1.0	< 0.20	
Tin (Sn)	2.0	< 0.30	
Titanium (Ti)	0.49	< 0.90	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS							
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium (Ca)	408	140- 500					
Magnesium (Mg)	33	15- 45					
Sodium (Na)	110	18- 180					
Potassium (K)	280	10- 150					
Copper (Cu)	23	11- 24					
Zinc (Zn)	65	100- 190					
Manganese (Mn)	0.51	0.10- 0.50					
Chromium (Cr)	0.62	0.43- 0.70					
Vanadium (V)	0.14	0.030- 0.10					
Molybdenum (Mo)	0.12	0.050- 0.13					
Boron (B)	4.7	0.40- 3.5					
Iodine (I)	1.2	0.25- 1.3					
Lithium (Li)	0.010	0.007- 0.020					
Phosphorus (P)	128	150- 220					
Selenium (Se)	0.70	0.70- 1.1					
Strontium (Sr)	1.0	0.19- 2.0					
Sulfur (S)	47700	45500- 53000					
Cobalt (Co)	0.043	0.005- 0.030					
Iron (Fe)	18	7.0- 16					
Germanium (Ge)	0.048	0.030- 0.040					
Rubidium (Rb)	0.34	0.012- 0.16					
Zirconium (Zr)	0.29	0.030- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 12/09/2014		Ca/Mg	12.4	4- 30
Date Received: 12/15/2014		Ca/P	3.19	1- 12
Date Completed: 12/19/2014		Na/K	0.393	0.5- 10
Methodology: ICP/MS		Zn/Cu	2.83	4- 20
Sample Size: 0.199 g		Zn/Cd	241	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo: Kirkland				



SEX: Female  
AGE: 3

As tolerated

279 Walkers Mills Rd  
Bethel, ME 04217 U.S.A.

+ low dose Ion Transport CAP +

nucleotide blend

DEFER to your doctor always

Toxic & Essential Elements; Hair

TOXIC METALS				PERCENTILE	
		RESULT µg/g	REFERENCE INTERVAL	68 <sup>th</sup>	95 <sup>th</sup>
Aluminum (Al)		14	< 8.0		
Antimony (Sb)		0.089	< 0.066		
Arsenic (As)		0.022	< 0.080		
Barium (Ba)		1.2	< 0.75		
Beryllium (Be)		< 0.01	< 0.020		
Bismuth (Bi)		0.030	< 2.0		
Cadmium (Cd)		0.15	< 0.070		
Lead (Pb)		2.7	< 1.0		
Mercury (Hg)		0.07	< 0.40		
Platinum (Pt)		< 0.003	< 0.005		
Thallium (Tl)		< 0.001	< 0.002		
Thorium (Th)		0.001	< 0.002		
Uranium (U)		0.011	< 0.060		
Nickel (Ni)		0.48	< 0.30		
Silver (Ag)		0.50	< 0.20		
Tin (Sn)		1.1	< 0.30		
Titanium (Ti)		0.55	< 0.90		
Total Toxic Representation					

A1278C cap  
+  
Metal Away  
+  
All in one +  
Ba Cd m  
+  
PS/PEPC  
+ DHA  
+  
ATP;  
Riboflavin

SDE & NSA  
CSA

ESSENTIAL AND OTHER ELEMENTS				PERCENTILE				
		RESULT µg/g	REFERENCE INTERVAL	2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium (Ca)		471	140- 500					
Magnesium (Mg)		30	15- 45					
Sodium (Na)		6	18- 180					
Potassium (K)		< 3	10- 150					
Copper (Cu)		60	11- 24					
Zinc (Zn)		110	100- 190					
Manganese (Mn)		0.35	0.10- 0.50					
Chromium (Cr)		0.46	0.43- 0.70					
Vanadium (V)		0.098	0.030- 0.10					
Molybdenum (Mo)		0.091	0.050- 0.13					
Boron (B)		0.59	0.40- 3.5					
Iodine (I)		2.2	0.25- 1.3					
Lithium (Li)		< 0.004	0.007- 0.020					
Phosphorus (P)		143	150- 220					
Selenium (Se)		0.52	0.70- 1.1					
Strontium (Sr)		1.8	0.19- 2.0					
Sulfur (S)		48300	45500- 53000					
Cobalt (Co)		0.025	0.005- 0.030					
Iron (Fe)		14	7.0- 16					
Germanium (Ge)		0.040	0.030- 0.040					
Rubidium (Rb)		0.005	0.012- 0.16					
Zirconium (Zr)		0.18	0.030- 1.0					

work with your doctor  
+  
+ POTASSIUM ATP  
+  
magnesium  
CAP +  
zinc  
+  
All in one +  
Ba Cd m  
+  
Metal Away  
+  
+ POTASSIUM  
+  
work with your doctor  
+  
check on lithium  
+ POTASSIUM

TOO LOW  
TOO LOW  
TOO HIGH  
TOO LOW

SPECIMEN DATA		RATIOS		
COMMENTS: Work with your doctor on lithium + potassium + ATP + zinc		ELEMENTS	RATIOS	RANGE
Date Collected: 09/30/2015	Sample Size: 0.196 g	Ca/Mg	15.7	4- 30
Date Received: 10/05/2015	Sample Type: Head	Ca/P	3.29	1- 12
Date Completed: 10/13/2015	Hair Color: Brown	Na/K	2	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	1.83	4- 20
	Shampoo: Dove Bar Soap	Zn/Cd	733	> 800

Suggestions for your consideration.

THEN run HMT in 3-4 months to recheck lithium. DEFER to your doctor  
With love & hope, Dr. Amy

EXCELLENT increases in

Describe  
four  
down  
doctor  
as always  
Suggestions for your consideration  
As always, work with your Doctor.  
With love & hope, Dr. Amy



SEX: Female  
AGE: 4

279 Walkers Mills Rd  
Bethel, ME 04217 U.S.A.

Inflammatory  
Pathway cap to help  
with detox

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	9.5	< 8.0	Cont.
Antimony (Sb)	0.068	< 0.066	PS/PERPC + DNA
Arsenic (As)	0.076	< 0.080	+ All in One
Barium (Ba)	0.54	< 0.75	Be Calm
Beryllium (Be)	< 0.01	< 0.020	OKAY to add low
Bismuth (Bi)	0.039	< 2.0	dose Hydroxy +
Cadmium (Cd)	0.13	< 0.070	Adchasy/B12
Lead (Pb)	2.2	< 1.0	Cont. EDTA soap!
Mercury (Hg)	0.07	< 0.40	Metal Away
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.28	< 0.30	Riboflavin Sphes
Silver (Ag)	0.22	< 0.20	+ ATP +
Tin (Sn)	0.79	< 0.30	Mitofore
Titanium (Ti)	0.50	< 0.90	
Total Toxic Representation			Impact digestion

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	228	140- 500	Cont. A.T.P.
Magnesium (Mg)	15	15- 45	Inc. a bit
Sodium (Na)	12	18- 180	M. soap
Potassium (K)	28	10- 150	
Copper (Cu)	16	11- 24	
Zinc (Zn)	78	100- 190	Inc. Zinc
Manganese (Mn)	0.32	0.10- 0.50	Lozanga
Chromium (Cr)	0.56	0.43- 0.70	Limit charcoal
Vanadium (V)	0.12	0.030- 0.10	Limit
Molybdenum (Mo)	0.096	0.050- 0.13	Bentonyte
Boron (B)	2.6	0.40- 3.5	
Iodine (I)	4.0	0.25- 1.3	Run a runa
Lithium (Li)	0.010	0.007- 0.020	cont. support
Phosphorus (P)	161	150- 220	
Selenium (Se)	0.76	0.70- 1.1	
Strontium (Sr)	0.65	0.19- 2.0	
Sulfur (S)	48300	45500- 53000	
Cobalt (Co)	0.026	0.005- 0.030	Run a csa
Iron (Fe)	19	7.0- 16	& DNA-GI
Germanium (Ge)	0.033	0.030- 0.040	
Rubidium (Rb)	0.040	0.012- 0.16	cont. support
Zirconium (Zr)	0.22	0.030- 1.0	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 02/25/2016	Sample Size: 0.196 g	Ca/Mg	15.2	4- 30
Date Received: 02/29/2016	Sample Type: Head	Ca/P	1.42	1- 12
Date Completed: 03/03/2016	Hair Color: Brown	Na/K	0.429	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	4.88	4- 20
	Shampoo: Dove Soap	Zn/Cd	600	> 800

## Follow-up history for hair test 1044

Here is my 3 year old's 2<sup>nd</sup> hair test after 10 months of AC chelation. My daughter is number 1044 on your list of hair tests. Could you please upload her latest test? Please advise me when it's uploaded so I can ask for help with interpretation.

Current situation:

I Just wanted to see if any helpful info can be derived from this 2<sup>nd</sup> hair test. We've been chelating for 10 months.

Has mineral disruption improved so we can get a better idea where she's at with lead, cadmium, etc?

Does she meet counting rules?

For the last few months I have been chelating her at 41 ala and 8mg - 12.5 - dmsa which I realize is a very high dose for a 27 ish pound 3 year old. I thought she had been tolerating it relatively well, but retrospectively considering she has been catching every bug that goes around, I will definitely lower her dose now. (Sorry, I should have followed original advice I was given here to have her at a lower dose.)

Now that she is way passed the initial 4-8 dmsa rounds I would like to use dmsa each round as an accessory chelator. If she weighs 27 pounds what would be an appropriate accessory dmsa dose to complement the ala each round?

Her zinc is even lower than it was before. We are supplementing w/ 4 basics: vitamin e, vit c, magnesium, and zinc, although it's hard to get enough zinc in her (especially on round) as it makes her nauseous.

I think this test shows improvement but I'm not sure my interpretation is correct so I wanted to ask for feedback.

Thanks so much!

### **Health history for hair test 1044**

1. Current Symptoms /Health History: reoccurring ear infections, rash on chest (doctor said it is believed to be a fungus), bad diaper rash as a baby
2. No dental history
3. No dental work
4. Mother had 3 – 4 amalgams removed unsafely a few years before patient was born. Mother had no amalgams IN TEETH during patient 's gestation. Maternal grandmother also had amalgams in place during mother 's gestation.
5. No vaccines
6. No supps/meds taken at time of hair test
7. This is the patient 's older sister 's hair test: [http://www.livingnetwork.co.za/files/hairtest\\_1024.pdf](http://www.livingnetwork.co.za/files/hairtest_1024.pdf)

As can be seen they have the same metal patterns but the older patient has higher levels of almost everything. The patient has generally been healthier than her sister. Neither children received vaccines. Mother 's amalgams were in place during older sister 's gestation and removed unsafely when older sister was a few months old/nursing which might explain why she received the greater toxic metal burden. (Mother was fully vaccinated up into adulthood)

8. Both girls born in Mexico City but currently living in the United States. Patient 's blood lead level dropped from 8 to 4 after moving back to USA ...so it seems there were probably at least one if not multiple sources of lead exposure where we lived in Mexico City.