

HAIR ELEMENTS



PATIENT: Number 252
SEX: Male
AGE: 6
LOCATION: Erie, PA, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.3	< 8.0		
Antimony	0.014	< 0.066		
Arsenic	0.067	< 0.080		
Barium	0.19	< 0.75		
Beryllium	< 0.01	< 0.020		
Bismuth	0.010	< 2.0		
Cadmium	0.080	< 0.070		
Lead	0.29	< 1.0		
Mercury	< 0.03	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.011	< 0.060		
Nickel	0.07	< 0.20		
Silver	0.03	< 0.14		
Tin	0.33	< 0.30		
Titanium	0.27	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	179	160- 500					
Magnesium	10	12- 50					
Sodium	120	20- 200					
Potassium	72	12- 140					
Copper	16	11- 32					
Zinc	200	110- 190					
Manganese	0.25	0.08- 0.50					
Chromium	0.38	0.40- 0.70					
Vanadium	0.017	0.025- 0.10					
Molybdenum	0.092	0.040- 0.090					
Boron	0.27	0.50- 3.5					
Iodine	0.23	0.25- 1.3					
Lithium	0.006	0.007- 0.020					
Phosphorus	152	150- 220					
Selenium	0.68	0.70- 1.1					
Strontium	0.20	0.21- 2.1					
Sulfur	49400	44000- 51000					
Cobalt	0.006	0.004- 0.020					
Iron	8.1	7.0- 16					
Germanium	0.033	0.030- 0.040					
Rubidium	0.028	0.008- 0.080					
Zirconium	0.065	0.060- 0.70					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/15/2008	Sample Size: 0.195 g			Ca/Mg	17.9	4- 30
Date Received: 12/22/2008	Sample Type: Head			Ca/P	1.18	0.8- 8
Date Completed: 12/26/2008	Hair Color: Red			Na/K	1.67	0.5- 10
Client Reference:	Treatment:			Zn/Cu	12.5	4- 20
Methodology: ICP-MS	Shampoo: Dr Bronners			Zn/Cd	> 999	> 800

V010.08

Health history for hair test 252

1) What are your current symptoms and health history?

High functioning/verbal autism, 6 year old, 51 lbs. Obsessions, "writing in the air", lack of focus, low social

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

None

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

None

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

Lots of amalgams in early teens, only cleaning during pregnancy

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

All required up to two years old, born in 2002. No flu shot.

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

This test was done after 39 rounds of ALA, in approximately one year. All chelation supplements as required, along with probiotics, enzymes.

7) Other information you feel may be relevant?

Recent blood work came back with low zinc/high copper and also low iron. The zinc/copper ratio was in line before starting ALA. I've been giving 70-90 mgs zinc per day, hasn't come up. I feel I have a strong yeast protocol in place. I am stopping the chelating until his zinc/copper ratio has improved.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).

Erie, PA