

HAIR ELEMENTS



PATIENT: Number 386

SEX: Male

AGE: 5

LOCATION: South-Eastern USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.8	< 8.0		
Antimony	0.061	< 0.066		
Arsenic	0.19	< 0.080		
Barium	< 0.04	< 0.50		
Beryllium	< 0.01	< 0.020		
Bismuth	0.61	< 2.0		
Cadmium	0.027	< 0.070		
Lead	0.04	< 1.0		
Mercury	0.25	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	< 0.001	< 0.060		
Nickel	< 0.01	< 0.20		
Silver	< 0.006	< 0.20		
Tin	0.10	< 0.30		
Titanium	0.93	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	86	125- 370					
Magnesium	3	12- 30					
Sodium	38	20- 200					
Potassium	25	12- 200					
Copper	8.9	11- 18					
Zinc	120	100- 190					
Manganese	0.07	0.10- 0.50					
Chromium	0.41	0.43- 0.80					
Vanadium	0.053	0.030- 0.10					
Molybdenum	0.068	0.050- 0.13					
Boron	2.7	0.70- 5.0					
Iodine	1.0	0.25- 1.3					
Lithium	0.005	0.007- 0.020					
Phosphorus	184	150- 220					
Selenium	1.0	0.70- 1.1					
Strontium	0.05	0.16- 1.0					
Sulfur	46500	45500- 53000					
Cobalt	0.002	0.004- 0.020					
Iron	7.8	7.0- 16					
Germanium	0.027	0.030- 0.040					
Rubidium	0.035	0.016- 0.18					
Zirconium	0.069	0.040- 1.0					

SPECIMEN DATA

COMMENTS:

Date Collected: 5/18/2010

Date Received: 5/21/2010

Date Completed: 5/28/2010

Client Reference:

Methodology: ICP-MS

Sample Size: 0.199 g

Sample Type: Head

Hair Color: Red

Treatment:

Shampoo: Weleda

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	28.7	4- 30
Ca/P	0.467	0.8- 8
Na/K	1.52	0.5- 10
Zn/Cu	13.5	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 387

1) What are your current symptoms and health history?

Mood swings. Anxiety – easily frightened. Easily frustrated. Perfectionist tendencies. Hard to stay “on task” (keep focused) on simple things. Times of shortness of breath. Environmental allergies. Easily bloated from foods (even low sugar foods). Gut dysbiosis. Craves sweets even though restricted. Not as frequent these days, but night waking. Stares off into the distance at times. More frequent than normal outbursts. Never seems to learn to obey or follow the rules (to the point of both parents questioning their own sanity).

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

N/A – healthy

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?

Four years prior to pregnancy was when mother had all of her amalgams improperly removed and MMR booster that shutdown her colon.

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

None - thank God.

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

PureBears daily multiple vitamin. Extra Vitamin C as needed. Flora/probiotics.

7) Other information you feel may be relevant?

Moderate to severe colic and bloating during first few months of life. Mother had to severely restrict her dietary intake (i.e. no gluten, dairy, wheat, eggs, etc). Light sleeper.

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

Southeastern U.S.